INDUSTRIAL DIAMOND REVIEW

INDEX 1985 VOL. 45

Author Index	**2**
Miscellaneous Articles	**3**
Name Index	**3**
Trade Name and Company Index	**8**
Subject Index—Workpiece Materials	**12**
Subject Index—Processes	**13**
Subject Index—Miscellaneous	**14**

INDUSTRIAL DIAMOND REVIEW

VOLUME 45 1/85 to 6/85 Nos. 506 to 511

Key to page numbers:

No. 506 1/85 pp. 1-29	No. 508 3/85 pp. 113-143	No. 510 5/85 pp. 225-258
No. 507 2/85 pp. 54-93	No. 509 4/85 pp. 163-203	No. 511 6/85 pp. 278-312

AUTHOR INDEX

A

Althaus, P. G.
Residual stresses in plunge internal grinding, 124

Anthony, P.
Natural diamond tooling at Bolehill, 62

B

Brandt, G.
Slicing and grinding semiconductor materials, 88

Brandt, G. *see* **Dischler, B., Brandt, G.**

Brown, P.
Controlled demolition—less mess, 143

Büttner, A.
I.D. sawing—diameters increase, 77

Burnand, R. P. *see* **Tomlinson, P. N., Pipkin, N. J., Lammer, A., Burnand, R. P.**

C

Cassapi, V. B. *see* **Wright, D. N., Cassapi, V. B.**

Clauser, G. L. *see* **Köhler, E. K., Clauser, G. L.**

Collins, A. T. *see* **Harris, J. W., Collins, A. T.**

Cullingworth, B.
Massive cost savings with AMBORITE, 134
SYNDITE helps clinch order, 182
Cheaper platform remodelling, 186
SYNDITE's potential in tile cutting, 243
Drillers assess SYNDAX 3 in the field, 294

D

Daniel, P.
Jura marble—a natural choice, 80
Small but beautiful, 228
USSR stone industry—enormous potential, 244

Dempsey, E. J., Lawrence, J.
True steel and grit, 6

Dischler, B., Brandt, G.
Hard amorphous carbon films—a study, 131

E

Ertingshausen, W.
Wear processes in sawing hard stone, 254

G

Gargi, R.
Cooperation pays off in Saudi Arabia, 231

Gettelman, K.
Sub-sub micron turning, 66

H

Harris, J. W., Collins, A. T.
Studies of Argyle diamonds, 128

Heimbrand, E.
Machining wood products with PCD, 187

Herbert, S.
Major UK development in concrete sawing, 1
Wet-air drilling—a step in the right direction, 9
To the wall and back, 24
CNC micro machining: natural has the edge, 54
All set for China's coal measures, 74
The Wimpey storey has hidden depths, 139
Rock upstaged by diamond performance, 142
Elizabeth Ann's 100:1 favourite, 163
40 years experience at the touch of a button, 168
Stuart's get it right, 171
The shape of glass to come, 192
The bite in the teeth of the Tiger, 225
Massive investment in English slate, 233
Labour costs halved with one-man diamond wire, 251
Austin Rover's PCD switch pays dividends, 278
Grinding update aids price stability, 282
DIACUTT in depth, 311

Hervo, P.
Optical fibres—making the right connections, 72
Portraits that endure, 236

J

James, J.
A bed-time story from Harrison, 113

Johnson, G.
Machining in half the time, 309

K

Klink, U.
Multi-stage honing of connecting rods, 289

Knappert, W. *see* **Werner, G., Knappert, W.**

Köhler, E. K., Clauser, G. L.
A quiet hospital operation, 15

Kübler-Tesch, G.
PCD wear parts, 305

Kuppuswamy, G.
Magnetic assist ups ECG efficiency, 121

Kuzmick, L. F.
Level highways last longer, 138

L

Lach, H.
PCD tools for woodworking, 166

Lammer, A. *see* **Tomlinson, P. N., Pipkin, N. J., Lammer, A., Burnand, R. P.**

Lawrence, J. *see* **Dempsey, E. J., Lawrence, J.**

Le Scanff, A.
Granite vases get a diamond polish, 23

M

Maestre, J.
Spanish marble competes in world market, 64

Mal'nev, V. I. *see* **Novikov, N. V., Mal'nev, V. I., Voronin, G. A.**

Moitzi, H.
PCD for chipboard machining, 175

Moore, M.
Diamond morphology, 67

N

Novikov, N. V., Mal'nev, V. I., Voronin, G. A.
Diamond grit strength to 1373K, 17

P

Pipkin, N. J. *see* **Tomlinson, P. N., Pipkin, N. J., Lammer, A., Burnand, R. P.**

R

Richards, J.
Expanding markets, 19

S

Saville, P. A.
A special glass job, 191

Schneider, W.
Laser welding instead of brazing, 242

Schramm, R.
SUPERABRASIVES '85—an international symposium, 21

Seal, M.
High-tech uses for single-crystal natural diamond, 58
Shafto, G. R.
Rock drilling with De Beers SYNDRILL, 237
Silveri, P.
The man who started pavement grooving-grinding, 136
A cure for myopia, 184
Detroit airport is safer, 194
Pump producer goes for AMBORITE, 287
L-shaped saw segments increase productivity, 297
Spur, G., Wunsch, U. E.
Turning FRP with SYNDITE—test results, 195
Stephens, C.
Drill bit proving ground in Central London, 27

T
Tomlinson, P. N., Pipkin, N. J., Lammer, A., Burnand, R. P.
High performance drilling—SYNDAX 3 shows versatility, 299
Trancu, T.
A quick cut to water, 12

V
Voronin, G. A. *see* **Novikov, N. V., Mal'nev, V. I., Voronin, G. A.**

W
Werner, G., Knappert, W.
Machining hardened bearing races with PCBN, 117
Willmann, G.
Finish machining and the strength of ceramic parts, 201
Wright, D. N., Cassapi, V. B.
Factors influencing stone sawability, 84
Wunsch, U. E. *see* **Spur, G., Wunsch, U. E.**

MISCELLANEOUS ARTICLES

Cafro celebrates 30th anniversary, 286
Ceramics for new lathe, 183
Diamonds at your fingertips, 116
Grooving helps prevent accidents, 5
Harry Oppenheimer retires, 'JOT' takes over as Chairman, 13
A hot tip for repro industry, 93
Jumbo drill system from Germany, 8
Metallurgy of diamond tools, 248
More PCD at EMO, 285
New surface-set oilfield drill bits, 91
Norton at 100 years, 306
Precision ceramics machining, 200
Queen's Award for Interface, 135
Safety first at tower block, 20

NAME INDEX

A
ASME *see* **American Society of Mechanical Engineers**
Academy of Sciences of the USSR, 71
Ackley, N. L., news p, 4/85
Air Line Pilots Association, 136
Aisenberg, S., 133
Akeson, A., news p, 1/85
Akeson, A. C., 21, 22
Alden, G., 306, 307
Allen, C., 306, 307
Allison, P., 244, 247
Allor, R. A., 203
Althaus, P. G., 124, 127
Alyavdin, V. F., 71
American Institute of Physics, 18
American Society for Metals, 71
American Society of Mechanical Engineers (ASME), 203
Anderson, G., 24
Anderson, G. A., 57
Anderson, S., 25
Angell, I. O., 71
Angus, J. C., 133
Anthony, P., 62
Armenian SSR, 246
Asbell, P. A., 184, 185
Ashburn, A., 61
Asperti, G., 80, 81, 83
Atsagortsyan, Z. A., 247
Aytacoglu, M. E., 199
Azerbaijan SSR, 246

B
Bailey, M. W., 87
Bailey, N., news p, 5/85
Bailey, 258
Baker, P., 174
Baker, R. R., 203
Bakul, V. N., 18
Barnard, J. M., 21
Battelle Memorial Institute, news p, 2/85
Batterman, B. W., 71
Belling, N. G., 18
Benn, J., 29
Bergman, Ingrid, 236
Bergmann, A., 199
Berlin Technical University, contents p, 4/85, 195
Institut für Werkzeugmaschinen und Fertigungstechnik, 195
Berman, R., 61
Berman, S., 308
Bezrukov, G. E., 18
Bhateia, C., 21
Bialy, L., 18
Bienert, P., 258
Bobrievich, A. P., 71
Böhm, 83
Boehme, C., 179
Böhmer, M., 203
Bogdanovich, M. G., 18
Bondarenko, M. N., 71
Borisenko, V. A., 18
Born, W., news p, 5/85
Botkunov, A. I., 71
Bouchard, D. W., 22
Bovenkerk, H. P., 71
Brandt, G., 88, 90, 131, 133
Bratt, K., news p, 5/85
Breen, P., 294, 295
Bremen University, 21, 117
Brent, D., 194
Brinksmeier, E., 124, 127
British Airways, 80
British Institute of Geological Sciences, 76
Brockmann, H., 182
Broennimann, 86, 87
Brook, C., 226
Brookes, B., news p, 4/85
Brookes, T. J., 22
Brooks, K., 281
Brown, E. T., 87
Brown, I., 4
Brown, P., 143
Browning, R., 297, 298
Brozel, M. R., 130
Brushek, D. K., 22
Bubenzer, A., 133
Budweg, W., 81, 82, 83
Büttner, A., 77, 258
Bullen, G. J., 22, 87, 258
Bullock, A., contents pp, 3/85, 6/85
Bullock, N., 174
Bunk, W., 203
Bunting, J. A., 22
Burnand, R. P., news p, 2/85, 299
Butozov, V. P., 18
Byelorussian SSR, 246

C
CRIF *see* **Centre de Recherche Scientifiques et Techniques de l'Industrie des Fabrications Métalliques (CRIF)**
CSIR, Pretoria, 127
California State Highway Department, 136
California University, news p, 4/85
Cardiff University College, 71
Carpentieri, A., news p, 4/85
Carpentieri, Alfred, news p, 4/85
Carpentieri, B., news p, 4/85
Carpentieri, M., news p, 4/85
Carr, J., news p, 1/85
Cassapi, V. B., 84
Centre de Recherche Scientifiques et Techniques de l'Industrie des Fabrications Métalliques (CRIF), news p, 6/85
Cerreta, L., news p, 5/85
Chabot, R., 133
Chambers Dictionary of Science & Technology, 231
Chapman, H. J., 26
Charterhouse School, 13
Cheary, R., 186
Chernon, D. B., 18
China, People's Republic of, 76
Chrenko, R. M., 130
Christ Church, Oxford University, 14
Christoffel, J., 285
Chryssolor, A., 168, 170
Chryssolouris, G., 120
Clarendon Laboratory, Oxford University, 56, 57, 169
Clark, C. D., 129, 130
Clauser, G. L., 15
Clifton Cathedral, 230

College of Engineering & Science, news p, 5/85
Collins, A. T., 128, 130, 133
Collins, D., news p, 2/85
Colwell, L. V., 127
Cook, D. J., 22
Cooley, B. A., 22
Cooper, D. R. C., news p, 5/85
Cooperative Society for Marble Trade Supplies—Sociedad Cooperativa de Suministro Para Marmoles (SUMARCORP), 65
Cordona, M., 133
Cother, N. E., 203
Cowan, F., 307, 308
Crecelius, G., 133
Crewe, G., 10
Crisp, Bob, 294
Cullinan, Sir Thomas, news p, 2/85
Cullingworth, B., 134, 182, 186, 241, 243, 294
Cundill, R., 203
Cushman, R., 308

D
DRL *see* **De Beers Diamond Research Laboratory**
DWMI *see* **Diamond Wheel Manufacturers' Institute**
Daniel, P., 61, 80, 82, 228, 244
Daniels, F., 307
Dannheim, H., 203
Dash, J., 121, 123
Davel, C., 134
Davey, S. T., 129, 130
Davies, G., 129, 130, 133
Davies, G. J., news p, 2/85
Davis, J., 22
Davis, S. K., 21, 22
Day, H., 6
De Beers Diamond Research Laboratory, news pp, 1/85, 2/85, 3/85, 93, 296, 301, 303
Mines Division, news p, 2/85
De La Fuente, 12
de Villiers-Booysen, P., news p, 4/85
Decneut, A., 127
Defoe, Daniel, 229
Dempsey, E. J., 6, 7
Department of Applied Geology, University of Strathclyde, 128
Department of Mining Engineering & Geology, University of Nottingham, 84, 85
Department of Transportation, US, 138
Derjaguin, B. V., 133
Des Lauriers, 86, 87
Desmond, F. J., 133
Deutsches Theater, Hamburg, 82
Diamond High Council (HRD), news p, 5/85
Diamond Research Laboratory *see* **De Beers Diamond Research Laboratory**
Diamond Wheel Manufacturers' Institute (DWMI), 22
Dillon, L. A., 22
Dillon, W., news p, 5/85
Dimigen, H., 133
DIN, 203, 289, 292, 293
Dischler, B., 131, 133
Dodd, H. A., 21
Dondo, T. *see* **Gondo, T.**
Doss, K. S. G., 123
Donnay, G., 71
Donnay, J. D. H., 71
Drukker, M., news p, 2/85
Duane, H., 308
Dunn, E. R., 21
Dunnington, B. W., 22
Durman, R., 309, 310
Duthie, G., 25, 26
Dyer, H. B., news pp, 4/85, 5/85

E
EMF *see* **European Management Forum**
EMO *see* **European Machine Tool Exhibition, 6th**
Eder, K., 19
Edinburgh University, Grant Institute of Geology, 130
Edward VII, King, news p, 2/85
Elbe, Professor, news p, 5/85
Electronic Montage & Mask Cutting Work Centre, 93
Elizabeth II, HM the Queen, 311
Ellis, G., 200
Elworthy, J., 93
Elworthy, T., 93
Enke, K., 133
Erich, P. P., 22
Erickson, S. R., 22
Ertingshausen, W., 254
Essel, K., 199
European Community Research Programme, contents p, 1/85, 1
European Machine Tool Exhibition, 6th, contents p, 6/85, 285
European Management Forum, news p, 2/85
Evans, A. G., 203
Evans, T., 18, 130

F
Facer, D. M., 21
Fahidi, T. Z., 121, 123
Fang, C. J., 133
Farkas, E., 182
Federal Aviation Administration, 136
Federal Highway Administration, 138
Federal Republic of Germany, 247
Feistkorn, E., 241
Feldmeier, F., 90
FEPA, 4, 26, 234
Fersman, A., 67, 71
Field, J. E., 18, 61, 71, 133
Field, M., 127
Fink, J., 133
FIRAS *see* **Furniture Industry Research Association**
Fischer, H. H., 22
Flament, M., 80, 81, 83
Flores, G., 293
Flynn, O., news p, 6/85
Fox, C., 71
Frank, F. C., 69, 71
Fraunhofer Institute for Solid State Physics, 131
Fröhlich, F., 133
Frushaur, R. H., news p, 5/85
Fukunaga, O., 71
Furniture Industry Research Association, 60

G
GLC *see* **Greater London Council**
Galen, E. E., 22
Galer, M. D. Stuart, 168, 170
Galer, S., 57
Gargi, R., 231, 232
Gargin, V. G., 18
Gasthof zur Sonne, 81
Georgian SSR, 246
Gera, M., 123
Gerhäuser, W., 81, 83
Germany, Federal Republic of, 247
Gerschwiler, K., 120
Gettelman, K., 66
Gibbs, J. Willard, 68, 71
Glover, J. E., 130
Gnevushev, M. A., 71
Goebbels, H., 203
Goebbels, S. K., 203
Goldschmidt, V., 67, 71
Gondo, T., news p, 5/85
Gorsuch, I., 135
Gow, R., 307, 308
Grant Institute of Geology, Edinburgh University, 130
Grantham, L., news p, 5/85
Grathwohl, G., 203
Grau, P., 133
Graver, W. J., 21, 22
Greater London Council (GLC), 20
Green, L., 22
Greenaway, D. S., 71
Gregory, P., 62
Grenville-Wells, H. J., 18
Grigorev, O. N., 18
Grimwood, G., 164, 165
Grossman, S. M., 22
Grünwald, D., 122, 123
Gurney, J. J., 128, 130
Gutowski, J., 22

H
HSE *see* **Health & Safety Executive**
Haelbich, R. P., 133
Hall, A. E., 128, 129, 130
Hall, P., 55,57
Hammersmith Hospital, 311
MRC Cyclotron Unit, 311, 312
Hancock, F., 306
Hampshire, S., news p, 5/85
Hanard, M., 21
Hanover Technical University, 254, 258
Institute of Production Engineering & Machine Tools, 258
Hera, A., 21
Harris, J. W., 71, 128, 130
Harris, P. G., 130
Harrow School, 14
Hart, J. D., 2
Harvard Business School, 307
Hatcher, C. W., contents p, 3/85, 136, 137, 138
Health & Safety Executive (HSE), news p, 5/85
Heath, P. J., 21, 120, 199
Heath, T. D., 21
Hecht, A., 203
Heider, W., 203
Heimbrand, E., 187

Heimann, R. B., 69, 71
Henry VIII, 228
Herbert, S., news p, 4/85, 1, 9, 24, 54, 59, 61, 74, 80, 83, 135, 139, 142, 163, 168, 171, 192, 225, 233, 251, 278, 282, 311
Herring, Conyers, 68, 71
Hervo, P., 73, 236
Heuer, A. H., 203
Higgins, A., 307, 308
Higgins, M., 306, 307
Hilferty, R., 298
Hill, P. G., 130
Hobbs, J. W., 203
Hockey, B. M., 203
Hodgson, P., 203
Holden, J., news p, 4/85
Horton, M. D., 21
Howarth, P., 283, 284
Hübsch, H., 133
Hughes, N., news p, 5/85
Hutchings, R., 133
Hyde, A. F., news p, 2/85
Hyland, E. P., news p, 2/85

I

IDA *see* **Industrial Diamond Association**
IG & GA *see* **International Grooving & Grinding Association**
Indian Institute of Technology, Mechanical Engineering Education Development Centre, 121
Industrial Diamond Association of America Inc, news p, 5/85, 22
Industrial Diamond Review, 138, 296
Industrieverband Jura-Marmor eV, 81
Institut für Härtereitechnik (Institute for Hardening Shop Techniques), 117, 120
Institut für Werkzeugmaschinen und Fertigungstechnik, Technical University, Berlin, 195
Institute of Production Engineering & Machine Tools, Technical University of Hanover, 258
International Conference on Non-Oxide Technical and Engineering Ceramics, news p, 5/85
International Grooving & Grinding Association (IG & GA), 138
International Industrial Diamond Conference, 1967, news p, 2/85
International SAMPE Conference, 5th, 199
International Union of Crystallography, 71
Ishizuka, H., 22
ISO, 195

J

JIMTOF Machine Tool Fair, Tokyo, 12th, 183
JUMA, 83
Jablonovski, J., 61
James, J., 113
Jeppson, G., 307, 308
Jeppson, J., 306, 307, 308
Johnson, G., 309
Juchem, H. O., 22, 293

K

Kahles, I., 127
Kaiserlautern University, Precision Engineering Department, 90
Kalbitzer, S., 133
Kamiya, Y., 71
Kamo, M., 133
Kanakubo, E., news p, 5/85
Kanda, H., 71
Kansas City Municipal Airport, 136
Kanz, J., 133
Kasatochkin, V. I., 133
Katz, R. N., 203
Kazakh SSR, 246
Keeleric, G., 123
Kelly, E. J., 121, 123
Kelsall, D., 57
Kennedy International Airport, J. F., 136
Kensington & Chelsea, Royal Borough of, 20
Kerber, B., 22
Kern County Racing Association, 137
Khatellishvili, G. V., 18
Kienzle, O., 199
Kilgore, C. A., news p, 2/85
Kimberley Club, 13
King, R., 2, 3
King, W. W., 121, 123
Kirghiz SSR, 246
Kirk, R. S., 71
Kishimoto, A., 21
Klauditz Institute, Braunschweig, Wilhelm, 179
Klink, U., 289, 293
Klocke, F., 199
Klyuev, Yu. A., 18
Knappert, W., 117
Knights of Columbus, news p, 4/85
Kôhler, E. K., 15
König, W., 21, 120, 127, 199
Kohno, Y., 21
Koidl, P., 133
Koplev, A., 199
Korshak, V. V., 133
Krasov, L. M., 71
Krauskopf, B., 61
Krishnaswamy, 21
Kudryavtsev, Yu. P., 133
Kübler-Tesch, G., 305
Kukharenko, A. A., 69, 71
Kuppuswamy, G., 121, 123
Kuzmick, L. F., 138

L

Lach, H., 166
Lach, H. H., 22
Laing, J., 25, 26
Laing, R. D., news p, 2/85
Lammer, A., 299
Lancaster University, news p, 2/85
Landers, A., 230
Landers, T., 230
Lang, A. R., 71
Langer, M., 203
Lapshina, V. A., 18
Larkin, J., contents p, 2/85
Lawrence, J., 6, 7
Lawrence Livermore National Laboratory, 21
Le Scanff, A., 23
Lehmann, H., 133
Leiritz, O., 81, 82
Lenz, F., 123
Leonov, B. N., 71
Lepa, E., 18
Levitt, C. M., news p, 2/85
Lielmezs, J., 121, 123
LIGNA 1983 Woodworking Fair, Hanover, 167
Lincoln Cathedral, 228
Loecy, R., 19
London University, Royal Holloway College, 67
Lonsdale, K., 18
Loshak, M. G., 18
Lowin, R., 127
Ludick, L., 295
Lutz, G., 258
Lystrup, A., 199
Lyttle, F. W., 18

M

MIDD 85, news p, 2/85
MRC *see* **Medical Research Council**
MRC Cyclotron Unit, Hammersmith Hospital, 311, 312
MacDonald, B., 294
McEachron, R. W., 22
McGahee, Rick, 288
Machado, W. G., 71
Macherauch, E., 127
Maciejcyk, J., news p, 5/85
Maestre, J., 64
Mainwood, A., 133
Malherbe, E. G., news p, 4/85
Malkin, S., 22
Mal'nev, V. I., 17, 18
Mamalis, A. G., 87
Mancina, Giovanni, 286
Mancina, Guido, 286
Mancina, R., 286
Marble Institute of America Inc, news p, 5/85
Marbres du Condado of France, 231
Marquette University, news p, 2/85
Marsh, I., news p, 5/85
Martucci, T., news p, 5/85
Masing, G., 127
Massachusetts Institute of Technology, 307
Massad, R. B., 22
Matalin, A. A., 127
Matsumoto, S., 133
Mayers, C., 193
Mechanical Engineering Education Development Centre, Indian Institute of Technology, 121
Medical Research Council (MRC), 311, 312
Melkumyan, S. A., 244, 245, 247
Melville, D., 308
Merrick, H., 252
Messer, W., 307
Metzger, L. H., 123
Mewes, S., 284
Meyer, H.-R., 22
Michigan Bureau of Aeronautics, 194
Mikola, G. M., 21
Milling, J., 243
Mines Division, De Beers Diamond Research Laboratory, news p, 2/85
Ministry for Foreign Trade & Industry, Tokyo, news p, 5/85

Mladenovic, S., contents p, 5/85, 236
Mohanta, S., 121, 123
Moitzi, H., news p, 5/85, 22, 175
Moldavian SSR, 245
Moore, M., 67, 71, 135
Moravec, T. J., 133
Mori, T., 133
Moses, K., news p, 1/85
Mount Sinai Medical Center, 184
Müller-Hienzerling, T., 133
Mulcahy, N., news p, 5/85
Murray, L., news p, 1/85
Musbally, G. M., 121, 123

N
NASA *see* **National Aeronautics & Space Administration**
NBS *see* **US National Bureau of Standards**
NCB *see* **National Coal Board**
NE Derbyshire District Council, 63
Nadiv, S., 123
Nakai, T., 22
Nalstov, A. M., 18
Namba, Y., 133
Napier-Munn, T., news p, 2/85
Natal University, news p, 4/85
National Aeronautics & Space Administration (NASA), 61, 136
National Coal Board, news p, 1/85, 74, 75, 85
National Research Corporation, 308
National University of Singapore, 22
Natural Stone Directory, 62, 63
Navarro, J. G., 65
Nichols, R., 308
Nikitin, Yu. N., 18
Nissel, G., 168
Nolke, H. H., 127
Norton, C., 307
Norton, F. B., 306, 307
Notter, T. A., 120
Nottingham University, Department of Mining Engineering & Geology, 84, 85
Novikov, N. V., 17, 18
Nürnberg Airport, 82
Nürnberg Stone Exhibition, 258

O
Oel, H., 203
Ohsawa, T., 71
Oliver, W. C., 133
Oosterveld, M. M., 71
OPEC, 137
Oppenheimer, A., news p, 3/85
Oppenheimer, Bridget, 14
Oppenheimer, Sir Ernest, 13
Oppenheimer, H. F., contents p, 1/85, 13, 14
Oppenheimer, N. F., news p, 3/85, 13, 14
Oppenheimer, Sir Philip, news p, 3/85
OPTICS '85, news p, 2/85
Orlov, Yu. L., 67, 70, 71
Oskolkov, V. A., 244, 245, 247
Owers, C., news p, 2/85
Oxford University, 13
Christ Church, 14
Clarendon Laboratory, 56, 57, 169
Worcester College, 14

P
Palmer, E., contents p, 4/85
Palovchik, S., news p, 5/85
Pasquarelli, G., 162
Patterson, M., 21
Pentony, E., 29
Peoples Republic of China, 76
Perry, I., 294
Peterman, L. M., 22
Peters, J., 127
Pethica, J. B., 133
Pflüger, J., 133
Phaal, C., news p, 2/85
Philippeaux, M., 231, 232
Pipkin, N. J., news p, 2/85, 120, 299
Poole Arts Centre, 142
Pope, Bill J., 22
Popper, P., 203
Porz, F., 203
Postell, A. E., 287
Pozdnyakov, V. V., 18
Precision Engineering Department, Kaiserslautern University, 90
Prikhna, A. I., 18
Probst, H. R., 203
Prokopchuk, B. B., 71
Pulson, S., 306

Q
Qi, Z., 130
Queen Elizabeth II, HM The, 311
Queen's Award, contents p, 3/85
Export Achievement, 135
Technological Achievements, 135

R
Ramaseshan, S., 71
Ratterman, E., 22
Ravey, K., 312
Rawlings, G., 2, 3, 4
Read, W. T., 127
Reckziegel, A., 203
Reddy, C. T., 199
Reilly, E., 252
Reinhardt, H., 122, 123
Reiter, H., 203
Rice, R. W., 203
Richards, A., news p, 5/85
Richards, G., 203
Richards, J., 19
Richardson, B., 282, 284
Richter, H., 203
Rickard, R. S., 130
Rife, J., 133
Roberts, D. C., 120
Robinson, D. N., 130
Roche, J. W., 22
Röttenbacher, R., 203
Rotberg, J., 21
Royal Borough of Kensington & Chelsea, 20
Royal Holloway College, University of London, 67
Rudd, B. J., news p, 5/85
Russell, D., 130
Russell, J., 11
Russell, T. F., news p, 5/85
Russian Soviet Federated Socialist Republic, (RSFSR), 245

S
SADA *see* **South African Drilling Asociation (SADA)**
SATS *see* **South African Transport Services (SATS)**
SERC *see* **Science & Engineering Research Council**
SUMARCORP *see* **Sociedad Cooperativa de Suministro para Marmoles—Cooperative Society for Marble Trade Supplies**
Sadler, I., contents p, 1/85
St. Clair, W. L., 21
Salisbury Cathedral, 230
Samuels, L. E., 22
Sanford, B., 307
Sande, J. B., Van der, 22
Sato, Dr., 184
Sato, Y., 133
Saville, P. A., 191
Schintlmeister, W., 133
Schmitz, W., 80, 81, 82
Schneider, S. J., 203
Schneider, W., 242
Schöpfel, Th., 83
Schramm, Dick, 21, 22
Schramm, R. M., news p, 5/85
Schürer, C., 133
Schulz, H., 199
Schulze, R., 87, 258
Schumacher, J. F., 203
Science & Engineering Research Council (SERC), 56
Scientific & Technical Diamond Research Centre (WTOCD), news p, 5/85
Scott, G., 10, 11
Scott, Tony, news p, 3/85
Seager, A. F., 71
Seal, M., 58, 61
Segmüller, A., 133
Seidelmann, U., 203
Semenov, A. E., 18
Setaka, N., 71, 133
Shafranovskii, I. I., 71
Shafto, G. R., contents p, 5/85, 237
Shanks, H., 133
Sheraton Hotel, Frankfurt, 82
Sherman, A., 133
Sidaway, R., 172, 174
Silveri, P., 136, 184, 194, 287, 297
Singapore National University, 22
Singer, E., 203
Sinnott, M. J., 127
Sketch, The, 26
Skillcentre Training Agency (STA), news p, 5/85
Sladkov, A. M., 133
Slaughter, J., 21
Smirnov, G. L., 71
Smith, A., 4
Smith, B., 115
Smith, C. B., 128, 129, 130
Smith, E., 281
Smith, H., 4
Smith, J., 63
Snelling, Bob, 140
Sociedad Cooperativa de Suministro para Marmoles—Cooperative Society for Marble Trade Supplies (SUMARCORP), 65
Solenhofer Aktien-Verein, 82

Soltesz, U., 203
Sons of Italy, news p, 4/85
South African Drilling Association (SADA), 236, 304
South African Transport Services (SATS), 186
Southward, T., 235
Spear, P., 133
Spiller, E., 133
Spitsyn, B. V., 133
Spring, K. G., 21, 22
Spur, G., 195, 199
Stables, A., 140
Stäblein, F., 127
Ständer, H., 122, 123
Stanko, W. S., 133
Stapleton, C., news p, 4/85
Steinmetz, K., 120
Stephens, C., 27
Stephenson, R. F., 130
Stereoberg, I. E., 133
Stevens, T., 203
Stöferle, T., 199
Stokes, M., news p, 1/85
Stone Exhibition, Nürnberg, 258
Stone Fair Nürnberg, news p, 5/85
Stoneham, A. M., 133
Story-Maskelyne, N., 71
Strathclyde University, Department of Applied Geology, 128
Stratton, D., 168, 170
Strong, H. M., 71, 130
Stuart, I., 171, 172, 173, 174
Stuart, M., 165
Subramanian, K., 22
SUPERABRASIVES '85: New Developments in Diamond/CBN, an International Symposium, 21, 22
Summersgill, I., 129, 130
Suttle, C., 230
Sutton, J. R., 67, 70, 71
Sykes, J., 18
Szlavin, J., 87

T
TRRL *see* **Transport & Road Research Laboratory**
Tabor, D., 133
Tadzhik SSR, 246
Taeyaerts, F. J., news p, 2/85
Taeyaerts, J., news p, 2/85
Tagliabue, F., 286
Technical University, Berlin, contents p, 4/85, 195
Institute für Werkzeugmaschinen und Fertigungstechnik, 195
Technical University, Hanover, 254, 258
Institute of Production Engineering & Machine Tools, 258
Thakur, B. N., 22
Thomas, M. D. Malcolm, 75
Thompson, F., 63
Thompson, J. O. ('JOT'), contents p, 1/85, news p, 3/85, 13, 14
Thümmler, F., 203
Titer, H. N., 21
Tobin, J. C., 127
Tönshoff, H. K., 87, 120, 127, 258
Tolansky, S., 71
Tomimori, H., 22
Tomlinson, P. N., news p, 2/85, 120, 296, 299
Trancu T., 12
Transport & Road Research Laboratory (TRRL), news p, 5/85
Transportation Research Board, US, 138
Treuting, R. G., 127
Trefilov, V. I., 18
Tuft, R. E., 130
Turkmen SSR, 246

U
US Air Force, news p, 2/85
US Building Stone Insitute, news p, 5/85
US Department of Transportation, 138
US National Bureau of Standards (NBS), 203
US Securities & Exchange Commission, 308
US Transportation Research Board, 138
USSR Academy of Sciences, 71
Uchida, T., 21
Ukrainian SSR, 245
University of Bremen, 21, 117
University of California, news p, 4/85
University College, Cardiff, 71
University of Edinburgh, Grant Institute of Geology, 130
University of Kaiserslautern, Precision Engineering Department, 90
University of Lancaster, news p, 2/85
University of London, Royal Holloway College, 67
University of Natal, news p, 4/85
University of Nottingham, Department of Mining Engineering & Geology, 84, 85
University of Oxford, 13
Christ Church, 14
Clarendon Laboratory, 56, 57, 169
Worcester College, 14
University of Strathclyde, Department of Geology, 128
University of Witwatersrand, news pp, 2/85, 4/85
Uzbek SSR, 245

V
van der Pyl, E., 307
Van Ligten, R., 22
Vance, E. R., 133
Venkatesch, V. C., 22
Vieregge, G., 199
Vonberg, D. D., 312
Vora, H., 133
Vorm, T., 199
Voronin, G. A., 17, 18

W
Wachenfeld, W., 83
Wada, R., 21
Wagner, R. A., 21
Wallgram, W., 133
Walzer, P., 203
Wapler, H., 87
Warman, A. E., 71
Washington National Airport, 136
Watson, George Spencer, 230
Watson, Mary Spencer, 230
Wedlake, R. J., 120
Wehmeyer, E., 71
Weissmantel, Ch., 133
Welch, J., 308
Wells, A. F., 68, 71
Wells, R., 63
Wentorf, R. H., 71
Werner, G., 117, 120
Werner, P. P., 21
West, G., 87
Wherry, J., 21
Witby, M., 114, 115
Wiemann, H. J., 21, 22
Wiendl, J., 199
Wild, R. A., 18
Wilks, J., 56
Will, H. A., 133
Williams, A. F., 67, 71
Williams, B., 165
Williams, G., news p, 3/85
Williams, I., news p, 3/85
Willmann, G., 201, 203
Wilson, W. I., 120
Witwatersrand, University of the, news p, 2/85, 4/85
Wixson, G., 194
Wohlfahrt, H., 127
Wofstieg, U., 127
Wolstenholme, B., 164, 165
Wong, J., 18
Wood Colloquium, Braunschweig, 175
Woods, G. S., 71, 130
Woodworking Fair, Hanover, LIGNA 1983, 167
Worcester College, Oxford University, 14
Worcester Polytechnic Institute, 307
Wright, D. N., 22, 84, 87
Wright, T., 63
Wulff, G. Z., 71
Wunsch, U. E., 195, 199
Wyatt, P. F., 297, 298

Y
Young H., 307
Yurkevich, R. K., 71

Z
Zale, D., news p, 2/85
Zinner, W., 285
Zug, G., 199

TRADE NAME & COMPANY INDEX

A

ABC Diamond Tools Ltd, news p, 5/85

ABRASIVE BORON NITRIDE, news p, 5/85, 287

Abrasive Diamond Tool Co, news p, 5/85

Abrasive Technology Inc, 22

Abrasives Products Group, 308

ACCU-CUT, news p, 1/85

ACE *see* **AUTOMATIC CHATTER ELIMINATOR**

Adamantine Precision Tools Ltd, 191

Adamas Diamond Products, 294, 295, 296

Adamas International BV, news p, 2/85

Admas UK Ltd, news p, 2/85

ADVANCED MATERIALS ENGINEEERING, news p, 5/85

African Mining & Trust Co Ltd, 243

Aida Engineering, news p, 5/85

Ajax Industrial Supplies Inc, contents p, 1/85, news p, 5/85, 19

Albuquerque Concrete Coring Co, 6, 7

ALLEN BRADLEY control system, 55

A M & T *see* **African Mining & Trust Co Ltd**

AMBORITE, contents pp, 3/85, 6/85, news pp, 1/85, 3/85, 19, 114, 115, 117, 118, 119, 120, 134, 199, 287, 288, 310

AMBORITE PCBN, contents pp, 3/85, 6/85, news pp, 3/85, 6/85, 113, 115, 117, 134, 285, 310

Amey Roadstone Corporation (ARC), news p, 6/85

Amgold *see* **Anglo-American Gold Investment Company**

Amplex Corporation, 22

Anderson & Co, George, 26

Anderson-Grice (1983) Ltd, contents p, 1/85, 24, 25, 26

Anglo-American Corporation, 13, 14

Anglo-American Gold Investment Company (Amgold), 14

Ann Twyford Ltd, contents p, 5/85, 225, 226, 227

ARBES, 81, 82, 83

ARC (AMEY ROADSTONE CORPORATION), news p, 6/85

Building Construction Division, news p, 6/85

Aremco Products International Corp, news p, 1/85

Arndale Shopping Centre, Doncaster, 143

Arxco Division, Rasta Abrasives (UK) Ltd, news p, 6/85

ASTROLASER, news p, 3/85

AT&T, Bell Laboratories, 200

ATLAS-COPCO, 230

Austin Rover Fuel Systems, 278, 279, 280, 281

Austin Rover Group, 278, 279

AUTOMATIC CHATTER ELIMINATOR (ACE), news p, 6/85

AZTEC, 308

AZTEC III, 308

B

Balz Company, Max, 81

Barclays National Bank, 14

Baumgold Industrial Diamonds Inc, news p, 5/85

Bay State Abrasives, 22

Bay State Abrasives Division, Felker Operations, Dresser Industries, news p, 5/85

B.B.B.S.-Beton Bohren, Brennen und Sägen, 15, 16

BBC MICRO, news p, 5/85

Beck & Beck Inc, 298

BEETLE, 186

Behr-Manning Corporation, 307

Behr-Manning Holding Corporation, 308

Bell Laboratories, AT&T, 200

Bell Mining Equipment Ltd, news p, 1/85

BEND-A-LIGHT, news p, 4/85

Bernat Saulière, 231, 232

BHP LABORATORIES (LIMERICK), news p, 5/85

Biebuyk SA, 172, 174

BINNS & BERRY, news p, 3/85

BLACK & DECKER, 28

BM Super Monoblade, 225, 226

BNFL, news p, 5/85

Boart Europe, news p, 1/85

Boart UK Ltd, news p, 1/85

Longyear Division, 28, 29

Bolehill Quarries Ltd, 62, 63

BOYLES, 76

BRA, 65

Bradley & Foster Ltd, 309, 310

Hard Metal Components Division, 310

BREAKERMAN, news p, 5/85

British Aerospace, contents p, 2/85, 54, 55, 56, 57

Dynamics Group, 54, 57

BROWN & SHARPE, 200

Bryant Symons & Co Ltd, 66

BTC, 65

Buehler Ltd, news p, 3/85

Büttner GmbH, BIABU-Diamantwerkzeuge Heinz, 258

Bullock Diamond Products Ltd, 171, 172, 184

BUMP CUTTER, 136, 137

Burlington Slate Ltd, contents p, 5/85, 233, 234, 235

Buttermarket Studio, contents p, 4/85

Buttermere & Westmoreland Green Slate Co, news p, 6/85

C

CAERNARFON, 163, 164

Cafro di Giovanni Mancina, 286

Cafro s.r.l., contents p, 6/85, 286

CAFRO POLYDIAM PCBN, 286

CAFRO POLYDIAM PCD, 286

CARPER-Carotaggi Perforazioni s.r.l., 12

CASTROL ILOGRIND, 284

Caterpillar Tractor, 21

CBS Properties, news p, 1/85

CCC *see* **Concrete Coring Company Equipment Program Inc**

CDA, 165

CDP Diamond Co Inc, 22

CDP Diamond Corp, 22

CEGB *see* **Central Electricity Generating Board**

CEGB MAGNOX, 1

CENTEC, 281

Central Electricity Generating Board (CEGB), 1, 2, 3, 4

Development & Construction Division, contents p, 1/85

Generating Development & Construction Division, 1, 4

Central Selling Organisation (CSO), news p, 5/85

CENTURION, news p, 4/85

CERACOM, 183

CERCHAR ABRASIVES TEST, 86, 87

Chance Pilkington Ltd, 191

Chase Precision International Ltd, news pp, 2/85, 5/85, 6/85

Cheary (Pty) Ltd, Richard, 186

China National Coal Development Corporation, 74

Christensen Diamond Products, 230

Christensen Diamond Products Italia S.p.A., 12

Christensen Inc, 308

CHRISTIE'S, news p, 2/85

CINCINNATI, 200

Citco Inc, 19

City Crown Sales Ltd, news p, 6/85

CLIPPER, news p, 4/85, 29

Clipper Company, 308

Clipper Diamond Tool Co, 22

COBE satellite, 60

Cobonic Ltd, news p, 6/85

COBURN, contents p, 2/85

CONCARE ENGINEERING, news p, 5/85

Concrete Coring Company, news pp, 1/85, 5/85

Concrete Coring Company Equipment Program Inc, 6, 7

Consanis Engineering (Pty) Ltd, news p, 3/85

Considere & Partners, 311, 312

Consolidated Goldfields, news p, 6/85

Construction Diamond Products, news p, 5/85

Contact Lens Supplies Ltd, 58

Contemporary Technologies Co, 21

Contour Fine Tooling Ltd, contents p, 2/85, news p, 3/85, 56, 57, 168, 169, 170

CORNING, 200

COORS, 200

Craelius Company Ltd, 74, 75, 76
CRAELIUS DIABOR, 76
CRAELIUS DIAMEC, news p, 3/85
CRAELIUS UK, news p, 3/85
Cranden Diamond Products Ltd, news p, 4//85
CRAVEN, 310
CSO *see* **De Beers Central Selling Organisation**
Cushion Cut Inc, 5, 22, 29, 140, 141, 142

D
Davis Monthan Air Force Base, news p, 1/85
DB RASOL, 252, 253
DE BEERS, contents p, 1/85, news pp, 2/85, 5/85, 5, 7, 56, 71, 129, 130, 135, 168, 169, 191, 229
DE BEERS ABRASIVE BORON NITRIDE, news p, 5/85, 287
DE BEERS AMBORITE, contents pp, 3/85, 6/85, news pp, 1/85, 3/85, 19, 114, 115, 117, 118, 119, 120, 134, 199, 287, 288, 310
DE BEERS AMBORITE PCBN, contents pp, 3/85, 6/85, news pp, 3/85, 6/85, 113, 115, 117, 134, 285, 310
DE BEERS CDA, 165
De Beers Central Selling Organisation, 14
De Beers Consolidated Mines Ltd, news pp, 3/85, 5/85, 13, 14
DE BEERS EMB, 63, 226
DE BEERS EMBS, 12, 226, 234
De Beers Industrial Diamond Division, news pp, 1/85, 2/85, 4/85, 5/85, 6/85, 19, 21, 22, 61, 71, 87, 115, 120, 165, 182, 199, 241, 288, 304, 305
Technical Service Centre, 238, 301
Sawing & Drilling Section, 84, 238, 301
De Beers Industrial Diamonds (Japan) Ltd, news p, 5/85
De Beers Industrie-Diamanten (Deutschland), 117
DE BEERS MDA, news p, 5/85, 290
DE BEERS MDAS, news p, 5/85, 23, 172, 173, 192, 193
DE BEERS MDA100, news p, 5/85
DE BEERS MICRON CDA, 165
DE BEERS MICRON MDA, contents p, 2/85, 23, 173, 193, 236
DE BEERS MICRON SND, 236
DE BEERS PCBN, 287
DE BEERS PCD, contents pp, 4/85, 6/85, news p, 4/85, 80, 166, 167, 175, 176, 177, 178, 179, 180, 181, 187, 188, 189, 190, 278
DE BEERS SDA, news p, 5/85, 8, 65, 186, 236
DE BEERS SDA85, news p, 5/85, 4, 12, 87, 228, 236
DE BEERS SDA100, news p, 5/85, 16, 23, 29, 84, 87, 139, 140, 142, 143, 252, 298, 312
DE BEERS SNDMB, 116, 191, 290
DE BEERS SYNDAX, 294, 296
DE BEERS SYNDAX 3, contents p, 6/85, news p, 6/85, 237, 294, 296, 299, 300, 301, 302, 303, 304
DE BEERS SYNDIE, news p, 6/85, 19, 59
DE BEERS SYNDIE PCD, news p, 6/85
DE BEERS SYNDITE, contents p, 4/85, news pp, 2/85, 6/85, 19, 163, 164, 195, 280, 281, 299, 305
DE BEERS SYNDITE PCD, contents p, 4/85, news pp, 4/85, 6/85, 117, 163, 164, 165, 182, 183, 195, 243, 279, 281, 300, 301, 305
DE BEERS SYNDRILL, contents p, 5/85, news p, 6/85, 19, 237, 238, 239, 240, 241, 299, 303
DE BEERS SYNDRILL PCD, contents p, 5/85, news p, 6/85, 238, 239, 242, 303
DE BEERS MACRODRILL, news p, 6/85
DE BEERS MICRODRILL, news p, 6/85
De Beers Technical Service Centre, 238, 301
Sawing & Drilling Section, 84
Debex Electronics, news p, 1/85
DEBID *see* **De Beers Industrial Diamond Division**
Defiant Diamond Tools Ltd, 143
Development & Construction Division, CEGB, contents p, 1/85
DIABOR, 76
DIABU-Diamantwerkzeuge Heinz Büttner GmbH, 258
Diacutt Concrete Drilling Services, 311, 312
DIAFIL, news p, 5/85, 251, 252, 253
Diagrit Diamond Tools Ltd, news p, 6/85, 182
DIAMANT BOART ASTROLASER, news p, 3/85
DIAMANT BOART 'AUTOMATIC CHATTER ELIMINATOR' (ACE), news p, 6/85
Diamant Boart Deutschland, 80
DIAMANT BOART DIAFIL, news p, 5/85, 251, 252, 253
Diamant Boart SA, news pp, 3/85, 5/85, 6/85, 65, 80, 81, 82, 83, 251, 252, 253
Diamant Boart (UK) Ltd, 229, 230, 253
Diamant-Gesellschaft Tesch, 305
DIAMEC, news p, 3/85
Diamind, 23, 231, 232
Diamond Stylus plc, contents p, 4/85, 164, 165
Diamond Trading Company (Pty) Ltd, news p, 3/85, 130
Diamond Winter SA (Pty) Ltd, 182, 243
DIAPAX block dressers, news p, 1/85
DIATUBE, 140, 141
DIAZON, news p, 4/85
DICAMAT EDM, 19
Didier-Werke AG, contents p, 4/85, 201
Dihart AG, 285
Diversified Products Group, 308
DKG, contents p, 5/85
DMC, 65
Dörries GmbH, O., 117, 118
DOWTY DOWMAX, 3
Dresser Industries, Bay State Abrasives Division, Felker Operations, news p, 5/85
Drill Sure Ltd, 74, 75, 76
Drukker & Zn, D., news p, 2/85, 58, 59, 60, 61
Dubbledee Diamond Co Ltd, 164, 165
Dunnington Co, 22
Dupont de Nemours & Co, E. I., news p, 5/85
Dymet Alloys Ltd, 282, 283, 284

E
Ealing Publications Ltd, news p, 2/85, 63
Ebor Glass Equipment Ltd, news p, 4/85
EDAX, 59, 60
EDECO, 75
Eder GmbH, Siegfried, 19
EDM, news p, 2/85, 19, 286
Eestidolomit Stoneworks, 247
Eguro Machinery Company, 59, 183
EICKHORST MICROLAB, news p, 5/85
Elektro-Schmelzwerke Kempten, 133
ELIZABETH ANN 'CAERNARFON', 163, 164
Elizabeth Ann Woodcraft Ltd, 163, 164, 165
Ellis Ceramtec Inc, contents p, 4/85
EMB, 63, 226
EMBS, 12, 226, 234
Engineering Diamonds Ltd, 93, 279, 281
Engineering Materials Group, 308
Engis Corporation, 22
English Drilling Equipment Co Ltd, 75, 76
Esso Italiana, 12
Euro-American Industrial Diamond Corp, news p, 4/85

F
Fairclough Building Ltd, 143
Fanuc-CNC, 183
Federal Mogul Corporation, news p, 5/85
Target Products Division, news p, 5/85, 194
Felker Operations, Bay State Abrasives Division, Dresser Industries, news p, 5/85
Fingertips Ltd, 116
Firth Brown Tools, news p, 5/85
FLIESEN, news p, 6/85
FORM TALYSURF, news p, 6/85
Freed Industrial Diamond, news p, 4/85
FSK Inc, 21

G
GAD, Société, 23
G. A. GRAY boring mill, 288
GALILEO JUPITER spacecraft, 60
GASITE, 287
GDM Inc, 139, 140, 141
Gehring KG, contents p, 6/85, 289

General Electric Co, 21, 22
General Industrial Diamond Co Inc, news p, 3/85, 22
Generating Development & Construction Division, CEGB, 1, 4
Geothermal Resources (UK) Ltd, 76
GIW Industries Inc, 287, 288
GIW INDUSTRIES GASITE, 287
Gleason Works, 21
Glennel Corp, 200
GMN Georg Müller, Nürnberg, 88
Goldschmidt GmbH & Co KG, Wilhelm, news p, 5/85, 15, 16
GREGORI, 227
Grooving & Grinding Division, Hunt Contracting Co, 137

H
Habit Precision Engineering Group, news p, 5/85
Hard Metals Components Division, Bradley & Foster Ltd, 310
Harrison & Sons Ltd, T. S., contents p, 3/85, 113, 115
Hatfield Construction, 311, 312
Haysom & Son, W. J., 228, 229, 230
HELIOS, 234
Henderson Diamond Tool Co (1983) Ltd, 171, 174
HENSEL, 254, 256
Higher Speed Metals, news p, 5/85
HILMER, 83, 229, 235
HITACHI, 63
HIWIDIA, 229
Hosoda & Co Ltd, news p, 5/85
Hubbard Ford Partnership, 27, 29
Huddy Diamond Crown Co (Pty) Ltd, 186
Hunt Contracting Co, Grooving & Grinding Division, 137
Hydra Contracts Ltd, 143
HYDROSTRESS, news p, 6/85
HyTek Diamond Ltd, news p, 6/85

I
ILOGRIND, 284
INDUSTRIAL ABRASIVES 'STONEKUTTER', 230
Interface Developments Ltd, contents p, 3/85, 135
Interwood Ltd, 165

K
Kasler Corp, 137
Kennametal Inc, 22
Macro Division, contents p, 5/85, 248, 250
KENT, 200
Kieninger GmbH, Walter, 117, 118
KISTLER, 87
Kriscut Concrete Drilling & Sawing Co Ltd, 20, 27, 28, 29
Kyocera Corporation, 59, 183

L
LABTEC, 168, 170
Lach Diamant, contents p, 4/85, 166
Lach Diamond Inc, news p, 1/85, 22, 166
Lach GmbH & Co KG, Jakob, news p, 1/85
LACH PREVENT-A-CRASH, 166
Lach Spezialwerkzeuge GmbH, news p, 1/85, 166
Laco Parts, 134
Landers Quarries, 230
LASATRON, 234
Laser Technology Inc, news p, 5/85
Laser-Optronic, contents p, 5/85, 242
LAZARDS, 14
Ledermann GmbH & Co, contents p, 4/85, 187
Leitz Company, news p, 5/85
Leitz GmbH & Co KG, 22, 175, 176, 179
Leuco, Tool Co, 22
Leuco, Ledermann GmbH & Co, 187
Litton Industries, 21
Longyear Company, 7
Longyear Division, Boart UK Ltd, 28, 29
Low & Duff, 24, 25
LUNZER, 200

M
McAlpine & Son (Northern) Ltd, Sir Alfred, 4
McAlpine Minerals Division, Alfred, Penrhyn Quarries Ltd, news p, 6/85
McDANEL, 200
Machine Tool Division, Warner & Swasey Company, 308
Macro Division, Kennametal Inc, contents p, 5/85, 248, 250
MAGGI ARCIERE, 235
Malvern Instruments Ltd, news p, 4/85
Mapor, 65
Marks & Spencer, 173, 174
Marlo Engineering Services (Pty) Ltd, 182
Marshalls Halifax plc, news p, 5/85
Marshalls Hard Metals Ltd, news p, 5/85
Mayers Ltd, Colin, 192, 193
MDA, contents p, 2/85, news p, 5/85, 23, 290
MDAS, news p, 5/85, 23, 172, 173, 192, 193
MEASURESCOPE, news p, 5/85
Medite of Europe, 165
Megadiamond Industries Inc, 21
Merker KG, Kurt, 172, 174
Metallurgical Services Laboratories Ltd, news p, 3/85
METCO, 287
Meyer, Carl, 81, 82, 83
'HIWIDIA', 229
RAPIDOR, 23
MG S.p.a., 15, 16
MICAM, news p, 3/85
Micro Inch Machinery Inc, 66
MICRODRESS, news p, 2/85
MICROLAB, news p, 5/85
MICRON CDA, 165
MICRON MDA, contents p, 2/85, 23, 173, 193, 236
MICRON SND, 236
MINALI, 65
Minerals & Resources Corporation (MINORCO), 14
MIN-TEC, 286
MORDENTI, 65, 230
MORGAN MATERIALS TECHNOLOGY, news p, 5/85
Müller Nürnberg, Georg, GMN, 88
Murray Way & Partners, 311, 312
Musto Companies, news p, 4/85

N
NAKAMORA, 134
National Concrete Cutting Inc, 5
National Research Co, news p, 5/85
Natural Stone Products Ltd, news p, 6/85
NCB CONE INDENTER, 86
NCC *see* **National Concrete Cutting Inc**
N-E-D Corporation, contents p, 6/85, 297, 298
NI-HARD, 287, 288, 309
NIKON MEASURESCOPE, news p, 5/85
Nimbus Diamond Tool & Machine Co Ltd, 10, 11, 20, 28, 29, 139, 141, 142, 143, 311, 312
Nissel & Co Ltd, G., contents p, 4/85, 168, 169, 170
NISSEL LABTEC, 168, 170
NL HYCALOG, 91, 92
/Drilling & Service, 92
/NL Industries Inc, 92
Nofotec, news p, 4/85
NORTON AZTEC, 308
NORTON AZTEC III, 308
Norton & Co, F. B., 306
Norton Behr-Manning Overseas Inc, 308
Norton Company, contents p, 6/85, 22, 200, 242, 285, 306, 307, 308
NORTON CLIPPER, news p, 4/85, 29
Norton Construction Products, 29, 63, 308
Norton Emery Wheel Company, 307
Norton Grinding Machine Company, 307
Norton International Inc, 308

O
Officine Meccaniche BM, 225, 226, 227
Oger International, 231
O.I.D. Co Ltd, news p, 5/85
OLYMPUS, news p, 3/85
O-M Ltd, 288
Optall Division, Radiall SA, 73
OPTIDRESS, news p, 2/85
Orbit Builders, 63
Ordco Inc, news p, 1/85
Oreco Oilfields Services Ltd, news p, 5/85
Orrefors Glasbruk AB, 192, 193
Osaka Diamond Industrial Co, 22
Ottosdal Quarries (1937) (Pty) Ltd, 243

P
PACEMAKER, 287
Park Tool Co, 298
Parsons Diamond Products Inc, news p, 4/85
Partition Enterprises, 294, 295
PCBN tools, 287

PCD, contents pp, 4/85, 6/85, news p, 4/85, 80, 166, 167, 175, 176, 177, 178, 179, 180, 181, 187, 188, 189, 190, 278
Penrhyn Quarries Ltd, McAlpine Minerals Division, Alfred, news p, 6/85
Permattach Diamond Tool Co, news p, 1/85, 22, 200
Petroleum & Mining Group, 308
PG OPTIDRESS, news p, 2/85
PIONEER VENUS INFRARED RADIOMETER, 60
Plansee Tooling Ltd, 113, 115, 309, 310
Pneumo Precision Inc, 54, 55, 56, 57
Polak Diamond Corporation, Henri, 71
POLYDIAM PCBN, 286
POLYDIAM PCD, 286
Pompes Funèbres Générales, 236
Precision Diamond Tool Co, news pp, 2/85, 3/85, 5/85, 6/85
Precision Grinding Ltd, news p, 2/85
PREVENT-A-CRASH, 166
Prewi Diamond Tools, 22
Proctor & Gamble, news p, 2/85
Protocol Engineering Ltd, 93
Prudential Assurance Co, 143
Pynford Ltd, 139, 140, 141

Q
Quarry Products Division, Tarmac Ltd, news p, 6/85
Quest Exploration Ltd, news p, 3/85

R
Radiall, SA, 73
Optall Division, 73
Rank Taylor Hobson Ltd, news pp, 5/85, 6/85, 57
'FORM TALYSURF', news p, 6/85
RAPIDOR, 83
RASOL, 252, 253
Rasta Abrasives (UK) Ltd, Arxco Division, news p, 6/85
RAYTECH, 200
Realstone Ltd, 62, 63
Reichert-Jung Ltd, news p, 3/85
Rich Construction Co Inc, F. D., news p, 5/85
RICHARDS, 310
Rigby Hard Metals Ltd, news p, 5/85
RÜCHLING-DUROSTONE, 195
RÜCHLING-LIGNASTONE, 195, 199
Rothe Erde-Schmiedag AG, 117
Rough Diamond Inc, news p, 4/85
Rovert (Electrics) Cheltenham Ltd, 2, 4
Rowe & Pitman, 14
ROYAL MASTER, 200

S
SAMPLE MARSHALL, 200
Saudi-Oger, 231, 232
Sawing & Drilling Section, Technical Service Centre, De Beers Industrial Diamond Division, 84, 238, 301
Schützeichel KG, Joh., 8
SDA, news p, 5/85, 8, 65, 186, 236
SDA85, news p, 5/85, 4, 12, 87, 228, 236
SDA100, 16, 23, 29, 84, 87, 139, 140, 142, 143, 252, 298, 312
Seaboard International (Timber & Plywood) Ltd, 165
SEIFERT, 124
Shell Co International Ltd, 74
SHORE SCLEROSCOPE, 85, 86
Silentcut Co Ltd, 9, 10, 11
Smit & Sons, J. K., news p, 1/85, 22, 200
Smit & Sons Diamond Tools Ltd, J. K., news pp, 1/85, 4/85, 5/85
SNDMB, 116, 191, 290
SNOW, 113
Société GAD, 23
SOLCUT, 279
Specialist Services (Cutting & Drilling) Ltd, 139, 141, 142
SPIC & SPAN, news p, 2/85
Spielvogel KG, Ernst, 62, 63, 225, 226, 227
SPIRIG, news p, 6/85
Spring AG, Rudolf, news p, 4/85, 22
STARLITE, 200
STATRAIN, news p, 5/85
Staveley Industries plc, 310
Stiegler, Joh., 81, 82
STOLYAROV, 244
Stone & Construction Division, Van Moppes-IDP Ltd, 4
Stonefacings Ltd, 251, 252, 253
STONEKUTTER, 230
Stuart & Sons, 171
Stuart Crystal, contents p, 4/85, 171, 172, 174
Sucopax, Schmitz & Co, 195
Sumitomo Electric Industries, 21, 22
Sunnen Products Co, 22
Super-Cut Inc, 22
Supreme Diamond Tools Ltd, news p, 3/85
Supreme Saws Ltd, news p, 6/85
Suttle, J., 230
Swank Associated Companies, 194
SYNDAX, 294, 296
SYNDAX 3, contents p, 6/85, news p, 6/85, 237, 294, 296, 299, 300, 301, 302, 303, 304
SYNDIE, news p, 6/85, 19, 59
SYNDIE PCD, news p, 6/85
SYNDITE, contents p, 4/85, news pp, 2/85, 6/85, 19, 163, 164, 195, 280, 281, 299, 305
SYNDITE PCD, contents p, 4/85, news pp, 4/85, 6/85, 117, 163, 164, 165, 182, 183, 195, 243, 279, 281, 300, 301, 305
SYNDRILL, contents p, 5/85, news p, 6/85, 19, 237, 238, 239, 240, 241, 299, 303
SYNDRILL PCD, contents p, 5/85, news p, 6/85, 238, 239, 241, 303

T
TAC Engineering Materials, news p, 5/85
TARGET, contents p, 4/85, 186
Target Products Division, Federal Mogul Corporation, news p, 5/85, 194
Targus System, news p, 3/85
Tarmac Ltd, Quarry Products Division, news p, 6/85
Taymouth Engineering Works, 24, 26
TC Industries Inc, 21
Technical Service Centre, De Beers Industrial Diamond Division, 84, 238, 301
Technion Co, 21, 22
Tekscan Ltd, news p, 5/85
TerraTek Research Laboratories, 241
Tesch, Diamantgesellschaft, 305
Thermic (UK) Ltd, news p, 5/85, 1, 4
Thomson Tool Supply, 287, 288
TIGER, 225, 226, 230
Tokmak Stoneworks, 246
Tomei Diamond Co, 22
Toyoda Machine Works Ltd, 21
Traction Safety International, 5
Tyrolit, 22, 285

U
UNIDIAMOND, 65
UK Central Electricity Generating Board *see* **Central Electricity Generating Board**
US Synthetic Corp, 22
USAP, 286
Universal Diamond Products, 21

V
Valdiamond International, news p, 5/85
Van Itallie Company, news p, 5/85
Van Moppes-IDP Ltd, news pp, 1/85, 5/85, 4, 140, 141, 225, 227, 229, 230, 234, 235
Stone & Construction Division, 4
VAN MOPPES-IDP TIGER, 225, 226, 230
Van Voorden, 233, 234
Vaughan, Edgar, 278, 281
VM-IDP *see* **Van Moppes-IDP Ltd**

W
WALTER, 286
Warner & Swasey Company, Machine Tool Division, 308
Wates Construction Ltd, 27, 29
WEBB, 200
Weinz-Weka GmbH, Ernst Fr., 305
Whiting Photography, David, contents p, 2/85
Wimpey Construction UK Ltd, 139, 141
WINTER, 65, 286
Winter & Sohn, E., 22, 77
Wrighton & Co, 165
WZL Laboratorium, 21

Z
Zale Corporation, news p, 2/85
Zapp, Robert, 286
Zether Ltd, news p, 4/85
Zinner GmbH, 285

SUBJECT INDEX—WORKPIECE MATERIALS

Aluminium *see* **Non-Ferrous Metals**

Asphalt *see* **Concrete & Asphalt**

Biological Specimens, Tissue
A cure for myopia, 184

Brass *see* **Non-Ferrous Metals**

Brick *see* **Masonry, Refractories**

Carbide *see* **Tungsten Carbide**

Carbon
Hard amorphous carbon films—a study, 131

Ceramics, Glass Ceramics
Ceramics for new lathe, 183
Precision ceramics machining, 200
Finish machining and the strength of ceramic parts, 201

Concrete & Asphalt
Major UK development in concrete sawing, 1
Grooving cuts accident rates, 5
Jumbo drill system from Germany, 8
Wet-air drilling—a step in the right direction, 9
A quick cut to water, 12
A quiet hospital operation, 15
Safety first at tower block, 20
Drill bit prooving ground in Central London, 27
The man who started pavement grooving-grinding, 136
Level highways last longer, 138
The Wimpey storey has hidden depths, 139
Rock upstaged by diamond performance, 142
Controlled demolition—less mess, 143
Cheaper platform remodelling, 186
Detroit Airport is safer, 194
L-shaped saw segments increase productivity, 297
DIACUTT in depth, 311

Copper *see* **Non-Ferrous Metals**

Crystals, Minerals (see also Semiconductors)
I.D. sawing—diameters increase, 77
Hard amorphous carbon films—a study, 131

Diamond
Diamond grit strength to 1373K, 17
Diamond morphology, 67
Studies of Argyle diamonds, 128

Ferrite *see* **Ceramics**

Ferrous Metals *see* **Steel**

Glass
Queen's Award for Interface, 135
Stuart's get it right, 171
A special glass job, 191
The shape of glass to come, 192
Precision ceramics machining, 200

Graphite *see* **Carbon**

Gold *see* **Non-Ferrous Metals**

Granite *see* **Stone**

Iron *see* **Steel**

Limestone *see* **Stone**

Marble *see* **Stone**

Masonry, Refractories (see also Stone)
SYNDITE's potential in tile cutting, 243

Non-Ferrous Metals
CNC micro machining: natural has the edge, 54
Sub-sub micron turning, 66
Austin Rover's PCD switch pays dividends, 278
Machining in half the time, 309

Plastics (including GRP)
CNC micro machining: natural has the edge, 54
High-tech uses for single-crystal natural diamond, 58
Optical fibres—making the right connections, 72
A hot tip for repro industry, 93
Diamonds at your fingertips, 116
PCD tools for woodworking, 166
40 years experience at the touch of a button, 168
SYNDITE helps clinch order, 182
Turning FRP with SYNDITE—test results, 195

Quartz
Precision ceramics machining, 200

Refractories *see* **Masonry, Refractories**

Rock (see also Stone)
All set for China's coal measures, 74
New surface-set oilfield drill bits, 91
Rock drilling with De Beers SYNDRILL, 237
Drillers assess SYNDAX 3 in the field, 294
High performance drilling—SYNDAX 3 shows versatility, 299

Semiconductor Materials
High-tech uses for single-crystal natural diamonds, 58
I.D. sawing—diameters increase, 77
Slicing and grinding semiconductor materials, 88

Slate *see* **Stone**

Steel (and other Ferrous Metals)
True steel and grit, 6
Bed-time story from Harrison, 113
Machining hardened bearing races with PCBN, 117
Residual stresses in plunge internal grinding, 124
Massive cost savings with AMBORITE, 134
Machining in half the time, 309

Stone
Granite vases get a diamond polish, 23
To the wall and back, 24
Natural diamond tooling at Bolehill, 62
Spanish marble competes in world market, 64
Jura marble—a natural choice, 80
Factors influencing stone sawability, 84
The bite in the teeth of the Tiger, 225
Small but beautiful, 228
Co-operation pays off in Saudi Arabia, 231
Massive investment in English slate, 233
Portraits that endure, 236
SYNDITE's potential in tile cutting, 243
USSR stone industry—enormous potential, 244
Labour cost halved with one-man diamond wire, 251
Wear processes in sawing hard stone, 254
L-shaped saw segments increase productivity, 297

Tungsten Carbide
Magnetic assist ups ECG efficiency, 121
Grinding update aids price stability, 282

Wood
Elizabeth Ann's 100:1 favourite, 163
PCD tools for woodworking, 166
PCD for chipboard machining, 175
Machining wood products with PCD, 187

SUBJECT INDEX—PROCESSES

Core Drilling (in Civil Engineering)
True steel and grit, 6
Jumbo drill system from Germany, 8
Wet-air drilling—a step in the right direction, 9
A quiet hospital operation, 15
Safety first at tower block, 20
Drill bit proving ground in Central London, 27
The Wimpey storey has hidden depths, 139
Rock upstaged by diamond performance, 142
Controlled demolition—less mess, 143
DIACUTT in depth, 311

Drilling *see also* **Core Drilling, Rock Drilling**
A special glass job, 191

Electrolytic Machining
Magnetic assist ups ECG efficiency, 121

Engraving
Stuart's get it right, 171
Portraits that endure, 236

Grinding (all materials except Concrete and Stone)
Slicing and grinding semiconductor materials, 88
Diamonds at your fingertips, 116
Residual stresses in plunge internal grinding, 124
Queen's Award for Interface, 135
The shape of glass to come, 192
Precision ceramics machining, 200
Finish machining and the strength of ceramic parts, 201
Austin Rover's PCD switch pays dividends, 278
Grinding update aids price stability, 282
Norton at 100 years, 306

Honing
Multi-stage honing of connecting rods, 289

Inspection, Measuring Techniques, Quality Control
True steel and grit, 6
Drill bit proving ground in Central London, 27
Factors influencing stone sawability, 84
Residual stresses in plunge internal grinding, 124
Turning FRP with SYNDITE—test results, 195

Lapping & Polishing
Granite vases get a diamond polish, 23
Spanish marble competes in world market, 64
Optical fibres—making the right connections, 72
Queen's Award for Interface, 135
40 years experience at the touch of a button, 168
Finish machining and the strength of ceramic parts, 201

Milling (Non-Ferrous & Ferrous Metals) *see* **Turning, Boring & Milling**

Non-Cutting Applications (Styli, Gauge Points, Heat Sinks, Wear Resistant Coating, etc)
High-tech uses for single-crystal natural diamond, 58
PCD wear parts, 305

Optical Machining, Lens Machining
High-tech uses for single-crystal natural diamond, 58
Optical fibres—making the right connections, 72
40 years experience at the touch of a button, 168

Polishing *see* **Lapping & Polishing**

Rock Drilling
All set for China's coal measures, 74
New surface-set oilfield drill bits, 91
Rock drilling with De Beers SYNDRILL, 237
Drillers assess SYNDAX 3 in the field, 294
High performance drilling—SYNDAX 3 shows versatility, 299

Sawing & Grinding (of Concrete)
Major UK development in concrete sawing, 1
Grooving cuts accidents rates, 5
A quick cut to water, 12
A quiet hospital operation, 15
Safety first at tower block, 20
The man who started pavement grooving-grinding, 136
Level highways last longer, 138
The Wimpey storey has hidden depths, 139
Cheaper platform remodelling, 186
Detroit Airport is safer, 194
L-shaped saw segments increase productivity, 297

Sawing (Stone)
To the wall and back, 24
Natural diamond tooling at Bolehill, 62
Spanish marble competes in world market, 64
Jura marble—a natural choice, 80
Factors influencing stone sawability, 84
The bite in the teeth of the Tiger, 225
Small but beautiful, 228
Massive investment in English slate, 233
Laser welding instead of brazing, 242
SYNDITE's potential in tile cutting, 243
USSR stone industry—enormous potential, 244
Labour costs halved with one-man diamond wire, 251
Wear processes in sawing hard stone, 254
Co-operation pays off in Saudi Arabia, 321
L-shaped saw segments increase productivity, 297

Sawing (Glass, Semiconductors, Wood, etc)
I.D. sawing—diameters increase, 77
Slicing and grinding semiconductor materials, 88
Machining wood products with PCD, 187

Screening of Powders, Particle Size Analysis, Recovery
Metallurgy of diamond tools, 248

Turning, Boring & Milling
CNC micro machining: natural has the edge, 54
High-tech uses for single-crystal natural diamonds, 58
Sub-sub micron turning, 66
A bed-time story from Harrison, 113
Machining hardened bearing races with PCBN, 117
Massive cost savings with AMBORITE, 134
Elizabeth Ann's 100:1 favourite, 163
PCD tools for woodworking, 166
40 years experience at the touch of a button, 168
Stuart's get it right, 171
PCD for chipboard machining, 175
SYNDITE helps clinch order, 182
Ceramics for new lathe, 183
A cure for myopia, 184
Machining wood products with PCD, 187
Turning FRP with SYNDITE—test results, 195
Austin Rover's PCD switch pays dividends, 278
Pump producer goes for AMBORITE, 287
Machining in half the time, 309

Wire Drawing
Expanding markets, 19

SUBJECT INDEX—MISCELLANEOUS

Conferences, Seminars, Exhibitions, Visits
Harry Oppenheimer retires, 'JOT' takes over as chairman, 13
SUPERABRASIVES '85—an international symposium, 21
More PCD at EMO, 285

Obituaries, Memorials
Norman L. Ackley, news p, 4/85
Alfred Carpentieri, news p, 4/85

Properties of Diamond and Cubic Boron Nitride (Single Crystal and Polycrystalline)
Diamond grit strength to 1373K, 17
SUPERABRASIVES '85—an international symposium, 21
High-tech uses for single-crystal natural diamond, 58
Diamond morphology, 67
Studies of Argyle diamonds, 128
Hard amorphous carbon films—a study, 131

Rock drilling with De Beers SYNDRILL, 237
Metallurgy of diamond tools, 248
Drillers assess SYNDAX 3 in the field, 294
High performance drilling—SYNDAX 3 shows versatility, 299

Printed by KENION PRESS LTD *Slough Berks*

INDUSTRIAL DIAMOND ABSTRACTS

INDEX 1985 VOL. 45

Author Index	2
Trade Name and Company Index	8
Key to Abstract Nos.	10

INDUSTRIAL DIAMOND ABSTRACTS

Volume 45 1985 (1/85—6/85) Nos. 506-511

General Notes. (1) Individuals, societies, and institutions appear in the first part of the index, whilst commercial companies and trade names are listed in the second part, (2) Lists of new patents (section W) are not included. (3) Patentees from patent abstracts are indicated by an asterisk. (4) Abbreviated words *eg* St for Saint, Mc for Mac, appear in the alphabetical order of the full version. (5) Numbers given are abstract numbers: in order to locate in which issue a given abstract may be found, a key is appended on page 10. (6) Abstract numbers in brackets are of 'internal' references, *ie* they are not authors of the articles or patents but are referred to in the text.

IDA AUTHOR INDEX

A
Aachen Institute for Plastic Machining, (D27)
Aachen Machine Tool Conference '84, (D55)
Aachen Technical High School, Laboratory for Machine Tools & Industrial Technology, (F14)
Aarens, R., F117*
Abel, R., B52
Advanced Technology Centre, Dallas, (B94)
Agronov, D., B59
Ahejew, A., F31*
Ahsbahs, H., P3
Air Force Wright Aeronautical Laboratory *see* **US Air Force Wright Aeronautical Laboratory**
Aizawa, T., G10
Akaishi, M., C30
Akashi, T., C16*, C25*
Aleksandrov, L. N., A16
Alexander, P. G., R46
Alexandrov, V. A., M39
Alibert, C., R18
Allor, R. L., F124
Al'tschuller, V. M., N12
AMB '84, Stuttgart, (D52)
Andreev, V. D., A69
Andreyev, V. D., A50, A114, A126, J13
Angers, R., B14
Anisichkin, V. F., A121
Annese, J., E71
Anschütz, E., B66
Aoki, K. I., R49
Apoyan, G. S., C73
Araki, M., C16*, C25*, C59*
Arculus, R. J., R6
Argmann, K., G47
Aronsson, B., B93
Ashurst, J. G., G30
Asseda, T., C60*
Association of German Engineers (Verein Deutscher Ingenieure, VDI), (D84)
Astrop, A., G6
Atkins, B. C., L13
Augustin, R., C50*, C117*
Ayers, J. D., B26, B62
Aytacoglu, M. E., C105

B
B.R.G.M., V3
BSI *see* **British Standards Institution**
Bachinski, S. W., R30
Bachmann, W., E2
Bagdarsaryan, G. B., F147
Baker, P. C., D37
Baker, R. D., B21, B46
Baker, R. R., F124
Bakon, A., A52, C2, J7
Balan, T. R., A1
Balkenbusch, R. J., L5
Ball, H., L26*
Ballarini, G., F137*
Ballenger, P., C100*
Bambakidis, G., A117
Bamberger, F., M13
Banks, B. A., A19*, C98*
Barlow, N., C31
Barnard, J. M., E74
Baron, F. C., M29*
Barongo, J. D., R16
Barre, G., M35
Barry, J. C., A102
Basch, T., E54
Basle Fair, (K2)
Bass, M., P9
Basu, A. R., R25
Bauer, R., D23
BAUMAG '84, (M36)
Baumann, M., F75
Bausch, T., E1
Bean, V. E., T19
Becher, P. F., B47, B116
Bedère, S., A74*
Becker, J., G8, G53
Becker, W., D13, D89
Beinhauer, G., G53
Bell, J., T16
Beltrami, G., F74
Belyanova, M. I., C71
Benjamin, R. J., D33
Bensten, L. D., B72
Ber, A., D96
Berdikov, V. F., C41
Bergström, Y., P24
Bergstrom, R. B., N52
Berlin Technical University, Institute for Machine Tools & Production Technology, (D26), (N11)
Bernieri, P., M78*
Bethlehem, W., F97
Bevardi, J., D94
Bex, K., K4
Bex, P. A., C70
Bharadwaj, P. K., A62
Bhateja, C. P., F27
Bichler, P., D13
Bickel, H., E59*
Bieri, H., M53*, M64*
Bilek, W., N73*
Bitzer, D., C83*, C101*
Blau, H. E., L9*
Bloch, P., E78*, F80*
Böhmer, M., B38
Bösel, H., M45
Bogatyreva, G. P., A94
Bogdanov, A. V., A96
Bogorodskii, E. S., C3
Bologov, P. I., E31
Bolster, R. N., B26, B62
Bondarenko, V. P., B55
Borchers, P., B92
Bormann, R. L., S7, S11
Borys, W.-E., D73
Bouchard, D. W., G25
Bourgoin, C., A33
Bourke, P. T., M15*
Bourquin, P., G51
Bouvard, A., N26*
Bovenkerk, H. P., E44*
Bovensiepen, H.-J., G28*
Boyd, F. R., R33
Bräuning, H., F115*
Brandt, G., B119, F55*, N16*
Brehm, P. D., D15, D34
Bremen University, (D30)
Breyev, Yu.M., H7
Brill, J., E42*, E58*, E61*
Brinksmeier, E., F96, F132
British Standards Institution, V2
Brookes, C. A., D59
Brown, W., M8
Brunner, I, D95
Bruno, M. S., T11
Bruschek, D. K., C88
Bryk, M. T., C69, C107

Büttner, A., M2, M9, M28
Büttner, H., M4
Bugayev, A. A., L43
Bukhovets, V. L., A49
Bukin, I. I., J8
Bullen, G. J., L12, M8
Bunting, J. A., N48*
Burgam, M., D2, D4
Burke, C. M., P1
Burkhan, A. A., C77
Burlson, R. R., D66
Butcher, T., N30

C
CIRP, (F85)
Campbell, J., B20
Canadian Department of Mines & Resources, (L14)
Cannon, W. F., R23
Carnegie Institution, (T14)
Carrara Fair, (M56)
Carver, E. B., F30*
Cassapi, V. B., (M69)
Cave, E. F., C63*
Cenkalo, M., F52*
Centre de Recherches Scientifiques et Techniques de l'industrie des Fabrications Métalliques, F117*
Ceramic Society of Japan, (B36)
Charkiewicz, L., C2
Chelikowsky, J. R., A57
Chepeleva, V. P., C75
Chepurov, A. I., A124
Cherenkov, V. G., R8
Chernenko, A. F., G5, G23
Chmir, M.Ya., H2
Cho, H. S., K12*
Christoph, H., D42, F76
Chulova, Yu., A48
Clark, C. D., A4, A43
Clausen, D. R., D81
Clausen, R., D47
Clement, C. R., R50
Collins, A. T., J3
Colliva, G., Q8*
Coole, R., C23*
Cooley, B. A., C85, F13, F87
Corley, W. G., G34*
Cornell University, (A78)
Cousyn, B., N74*
Cowden, J. J., C63*
Cranmer, D. C., B105
Crespin, G., S12
Crew, M., L23*
Crichton, I. M., S3
Crook, P., B17*
Curcio, M. E., D35

D
Da Jornada, J. A. H., P33
Daboudet, P., N74*
Dale, M. L., J4, R27
Danger, K. H., F28, N2
Daniel, P., A3, V4
Dannecker, K., F15
Darmstadt Technical High School (TH), Institute of Cutting Technology & Machine Tools, (N10)
Darrigo, D., C88
Date, S., C55
Datz, S., A15, A79
Davey, S. T., A4, A43
Davidge, R. W., B35
Davies, G., A5
Davis, J. F., C89
Dawson, D., M60*
Dawson, J. B., R42
Dawson, P., M60*
Dayan, M., A58
De Beers Diamond Research Laboratory, (M68)
De Lucia, F., L2
Decker, D. L., D67
Dedkov, G. V., A80
Defence Advanced Research Projects Agency, (D38)
Dehler, G., E35*
Deines, P., R31
Delevi, V. G., B54
Denecke, H., S6*
Derry, T. E., A11
Desai, J. D., B67, B68, B69, C11, C12, C13
Dholakia, A. R., C17*, C20*, C66*, C67*, P7*, P14*, P21*
Dischert, W. A., G39*
Dischler, B., B119
Dodd, H. D., F141
Doebeli, E., F12
Döring, K., N66
Doi, H., B61
Doi, K., P41*
Doi, Y., C38
Donaldson, R. R., D38
Dorofeyev, V. D., E11
Dorsch, J., D9
Doting, J., C114*
Dovesi, R., A116
Dower, R. J., B34
Dreyer, K., B98
Drinkuth, W. H., F138*
Drozda, T. J., F69
Druy, M. S., A19, R43
Dubovnik, N. P., E31
Dubovska, G. T., A66
Dufour, P., F123*
Duijvestijn, M. J., A9
Dunn, E. R., E45*
Dunn, K. J., T11
Dunnington, B. W., E65, N51
Dushinskaya, G. V., T15
Dworak, U., B78

E
ETH of Zurich, Institute for Machine Tools & Production Technology, (N1)
Ebner, W., C51*, C112*, N23, N87*
Echard, A., C52*
Eda, H., F59, F89
Eder, K., K8
Edwards, D. L., C29
Efimovich, L. P., A2
Egglhuber, K., N8*
Eichenlaub, R., M16*
Eisenmann, M. R., B30
Elbel, K., C50*, C117*
Elmore, J. D., L9*
Elste, M., P20
Elyutin, V. P., A106
England, P., R24
Ermer, W., N8*
Ernst, J., N18*
Eroshin, S. S., N70
Erschik, R. W., F4
Erschmann, H., F95
Estes, M. B., G12*
Eul, M. M., M6
Evans, T., A41
Exner, H. E., B57
Expo '85, (T16)
Ezis, A., B41*

F
Fameta '84, Nürnberg, (D42), (D52), (F75)
Fantone, S. D., D16
Federal Republic of Germany, (D8)
Federov, I. I., A124
Fedoseev, D. V., A118
Fedoseyev, D. V., A92
Feige, R., B99
Feldstein, N., C102
Ferrand, H., C52*
Ferraz, A. C., A31
Ferrone, B., E24
Field, J. E., N55
Fielding, E. R., E51
Filin, A. N., F101
Fischer, G., E48*
Fischmeister, H., B44*
Flores, G., G20, G52
Foellinger, H., E66
Fondations Spéciales, (E56)
Ford, G., E3, E56
Foret, G., L21
Forner, H., N68
Frederikse, H. P. R., B110
Freeman, J. H., A34
Freselle, C., G40*, N17*, S10*
Freselle, J.-L., G40*
Friederich, K. M., B57
Frischuk, R. W., B43*
Frushour, R. H., C115*
Fry, P. R., B1
Fujima, H., R49
Futerhendler, S. I., A19, C43

G
Gale, K., P5, P13
Galkov, A. V., F109
Gani, S. M. A., D5
Garanin, V. K., R7, R11
Gardiner, D. J., P26
Gargin, V. G., A21
Garlick, H. J., R19
Garrett, G. G., B1
Garshin, A. P., C72
Gehring, H., G16*
Gerasimovich, A. V., A125, T1
German, R. M., B30
Germany, Federal Republic of, (D8)
Gerner, H., E35*
Ghergel, N., S8
Giebmanns, K. H., F54*
Giek, R., F128
Gillette, R. H., G14*
Glass '84, (N39), (N40)
Gleason, J., F68
Glinski, J., A61
Glowka, D. A., L4
Görke, M., D52
Gold, J. S., A77
Golikova, E. V., A120
Gomez, I. Oliva, M63*
Golovchan, V. T., F110
Gorbenko, V. G., A122

Gorodyskii, N. I., A64
Grabchenko, A., F104
Grabchenko, A. I., F108
Grainger, A. J., M73*
Grappendorf, R. H., L28*, L46*
Grassmann, G., M66*
Green, L. A., E76
Gregory, O. J., B5
Greskovich, C., B51
Greter, H., G51
Grewe, H., B100, B101
Grimm, H., G29*
Grishachev, V. F., C74
Grossman, S. M., E67
Grün, L., D14, N38
Guenther, K. H., P16
Gugel, E., B22
Gutowski, J., G50

H
Haas, R., S9*
Hachtel, H., M67*
Häuser, K., D56, F28
Haggerty, S. E., R4, R5, R36
Hahn, R. S., F25
Hake, L. W., L44*
Hall, D. R., C99*
Hall, F. W., B42*
Halperin, A., A100
Hanard, M. R., F140
Hanover University, Institute for Production Technology & Chip Removal Machine Tools, (F15)
Hansen, H. J., D41
Hao, Y., R14
Hashimoto, F, F84
Hashimoto, M., C27*, F114*, F151*
Hasselman, D. P. H., B72
Havenith, H., F129
Hawkesworth, C., R2
Hawkesworth, C. I., R26
Hayashi, K., B96
Hazan, J., C1
Heath, P. J., C84, C105
Heidenfelder, H., F130
Heinrich, J., B38
Helbrecht, O., N49*, N86*
Heliotronic Forschungs- und Entwicklungsgesellschaft für Solarzellen-Grundstoffe mbH, N8*
Hellman, B., M77*
Hellman, O., M77*
Henrichs, P. M., A10
Herbert, S., F2, F67, K5, L38, M24, M55, N29, N56
Herbst, W., F145
Herring, J. R. H., P11
Herschel Telescope, William, (N62)
Herzig, P., F94
Heynacher, E., D8
Hichory, G. E., C80*
Highberg, C. W., C10
Hinkfoth, R., K13
Hino, M., C103
Hintz, M. B., N19
Hintze, W., F78
Hirakawa, K., N81
Hirsch, F., P31
Hishida, H., F62
Hitchiner, M. P., G38, Q1
Hodgson, M., R41
Hoffmann, A., M17*
Hoffmann, R., A90
Holleck, H., B85*
Holster, J. L., L3, L35
Hona, R., E9
Hooper, R. M., D59
Horsch, S., A56
Horton, L. B., J10
Horton, M. D., J10
Hoshi, T., F36
Houseman, G., R24
Howard, C. J., N47*
Hugulet, E., M70
Hunter, R. H., R28, R29
Hurley, D. C., A44

I
IMTS *see* International Machine Tool Show
Ibrahimpasic, I., E43*
Iijima, N., D71, N82
Iizuka, E., A30*
Ikegami, T., B97
Illerhaus, R., C24*
Imahashi, T., Q4*
Inoue, J., C82*
Inoue, K., H5*
Inoue, S., B86*
Institute for Machine Tools & Production Technology, ETH of Zurich, (N1)
Institute for Machine Tools & Production Technology, Technical University of Berlin, (D26), (N11)
Institute of Cutting Technology & Machine Tools, Technical High School (TH) of Darmstadt, (N10)
Institute of Mining Technology, University of Nottingham, (M69)
Institute for Production Technology & Chip Removal Machine Tools, University of Hanover, (F15)
Institute of Technology, Rotterdam, (D76)
International Conference on Carbon, Bordeaux, (A107)
International Conference on Recent Development in Speciality Steels & Hard Materials (Materials Development '82) (C9)
International Machine Tool Show (IMTS), (T6)
International Machine Tool Show 1984 Chicago, (D51), (F100), (T13)
International Powder Metallurgy Conference, (J5)
Intoolex '85, (D56), (D57)
Isakova, R. B., H6
Ishibashi, A., F88
Iskhakova, G. A., B53
Itzkovich, M. S., E10, E30
Ivanets, V. I., F112

J
Jack, D. H., B91
Jackson, H. E., A83
Jakus, K., B25
Janutta, R., E80*
Japan International Machine Tool Fair, (D60)
Javoy, M., R44
Jayaram, V., B29
Jeanloz, R., P27
Jeantet, L., M42*
Johannesson, B., B87
Johnson, F. E., D35
Johnson, G. H., N6*
Johnstone, R., T16
Jones, A. P., R37, R38
Jones, R., A25, A26
Juchem, H. O., C85, F87, G22, G44
Jürges, G., E60*
Jürgens, R., C24*, L10*, L18*, L20*, L24*
Junker, E., F51*
Juvet, C.-M., N78*

K
Kaganovicz, G., G41*
Kahles, J. F., B112, C54
Kammerer, H., M44*
Kamo, M., A87
Kang, Z., A12
Karban, V. I., B82
Katay, M. Ya., A65
Kato, H., T17
Katz, O., C33
Kawakita, T., C55
Kay, S. M., R45
Kazuo, T., A75*
Keller-Bauer, F., T4
Kerr, J., L21
Kertesz, M., A90
Keusch, L., M10
Khait, O. D., N13
Khimach, O. V., F149
Khvostantsev, L. G., T10
Kim, T. J., N32
King, T., A26
King, T. E. G., A25
Kipp, R. J., L3, L35
Kirchner, H. P., N28
Kiselev, E. S., F70
Kiselev, N. I., F149
Kisly, P. S., C45, C56, C92
Klein, A. N., B33
Klein, R. K., A81
Klingerman, R. H., N76*
Klug, D. D., A63
Knappert, W., D29
Knickerbocker, S. H., B9
Knieriemen, H., F56
Knüpfer, J., L39
Kny, E., B60, B88
Kobayashi, A., N33
Kobayashi, T., P40
Koehne, E. W., D19
König, W., C34, D72, D74, E73, F9, F14, F65, F135
Kohno, Y., D97
Kolaska, J., B98
Kolb, A., F118*
Koma, A., A82
Komac, M., B73
Komanduri, R., B67, B68, B69, C11, C12, C13
Komeya, K., B49
Konorova, E. A., A127
Kopp, O., C26*, G55*, G56*
Korolev, D. F., A91
Korzh, N. Ya., F113, F148
Koumoto, Y., F36
Kounosu, K., F58
Kovalanko, V. I., B83
Kozuka, H., B36

Kracht, W., E28, N2
Krampe, J., E18*
Krasnik, V. G., C46
Krauskopf, B., D1, D3, D4
Kreischer, C., G37
Kress, D., D100
Krishnappa, G., L8
Kuan, T. S., N20
Kubel, E., B95
Kubota, M., S2
Kudryatsev, K. K., J12
Künne, U., E23*
Kuhfuss, B., F23
Kulmburg, A., B16
Kumar, K. V., F141
Kuminitsu, S., C48*, G35*
Kummer, C., D61
Kummer, H., N7*
Kuntz, B., M18*
Kurdyumov, A. V., A113
Kurdyumov, V. A., A68
Kuris, I. M., F136, N44, P37
Kurusu, M., F92
Kuster, R., C14
Kutter, P., N59

L
Laboratory for Machine Tools & Industrial Technology, Technical High School Aachen, (F14)
Lach, H., C21*, E20*, E37*, E62*, S4*
Ladd, R. C., D20, E71
Lagerquist, M., B93
Laimer, H., M11
Lambert, Jr, E. L., F3
Lammer, A., D91
Lancsek, T. S., C102
Landvatter, K., M5
Lang, A. R., A42, A98
Lang, H., N1
Lang, K., E50*
Lange, H. G., C81*
Largeteau, P. A., G17*
Larsen, L. M., R17
Larson, F. G., B27, B63
Lauga, G. J., M74*
Lavrenko, V. A., B56
Lawrence Livermore Research Laboratory, (D4), (D38), (D66)
Le Roux, H., B31
Leibowitz, A., Q3*, Q6*
Leitner, D., P28
Leone, M., N77*
Levitas, V. I., T15
Liedtke, H., F38
Ligna Hannover '83, (N41), (N42)
Lindsay, R. P., F26
Linenko-Mel'nikov, Yu. P., C46
Link, H. D., L19*
Liou, L., P9
Lodge, K. W., A13
Logemann, V., M14
Longinotti, A., M19*, M20*
Lons, H. H., F1
Lorenz, M., E47*
Los Alamos National Laboratory, (D68)
Louie, S. G., A45, A54, A57, A104
Lowther, J. E., A32, A76
Loy, B., B34
Lueth, R. C., B90
Lukash, V. A., A51
Lukschandel, J., P12
Luk'yanets, V. A., G24
Lupinovich, L. N., C72
Lux, B., B95
Luyckx, S. B., B6

M
MPIF Standard, (J5)
Maas, A. (born Schmalz), F32*
McCue, H. K., D39
McDermaid, J. D., L6, L34
McEachron, R. W., C86
McGeough, J. A., S3
Mach '84, (T7), (T8)
Macindoe, W., P43*
MacKay, J. A., F18
McKeown, W. T., A117
McLachlan, D. S., A99
McLaren, M. G., B71
McLaughlin, H. B., N54
McMahon, B. S., R36
McMillan, J., H1
McNamee, M., G30
Maene, F., F79*
Mah, T., B115
Mahar, R. L., F139
Mainwood, A., A38
Maire, J., A107
Malik, V. R., A2
Malkin, S., E72, F82
Malle, K., D52
Manas, I., Q7*
Manovitzky, A. S., D25, N72
Manukyan, N. V., C96
Manzbar, V. A., F107
Manzini, M., M51*
Maréchal, R., M42*
Margulis, D. K., G5, G23
Marinexcu, I. D., V6
Markov, A. I., A51
Martin, K., F131
Martins, O. R., M40
Mastyuhin, L. I., N58
Matei, G., B77
Mathur, S. M., R46
Matsubara, H., B15
Matsui, S., F35, F61, F71, P36
Matsumo, T., J1
Matsunaga, M., D70, T18
Mayer, J., M52*
Mazurenko, A. M., C93
Meier, D. E., F17
Menges, G., D27
Merzhanov, A. G., B18*
Meseck, H., L39
Mesey, M. M., E64*, E70*
Meskin, A. K., L30*, L45*
Messer, J., F65
Messner, C., C51*
Messner, C. O. H., C112*, N87*
Metalworking Exhibition, Stuttgart, (C68)
Meuer, G., F121*
Meyer, H. R., E46*, E68
Middlemost, E. A. K., R40
Mikeleizig, G., E48*
Miki, K., A82
Milat, C., D80
Milledge, H. J., A7
Miller, H. C., C49*
Miller, M. E., C28*, P6*
Miller, P. C., D64
Mining Journal, (V1), (V7)
Mining Magazine, (V7)
Misa, O., (N29)
Mitchell, J. E., D6
Mitchell, R. H., R48
Mitomo, M., B107
Miyamoto, I., S1
Miyashita, M., C58*
Miyazawa, S., G26
Mizuno, H., P41*
Moderne Fertigung, (B79)
Moll, R., F152*
Moore, S. O., L7
Morgan, J. E., F66
Mori, K., F125, F126
Moritomo, S., E21*
Moriyoshi, Y., A60
Morrell, R. J., M54
Morris, J. F., L17*
Morris, W., L33*
Motzer, W., F115*
Mudrey, M. G., R23
Müller, P., K10
Mukhachev, Yu. S., P29
Munro, R. G., P2
Murata, Y., C62*
Mylewski, J., M32*, M43*, M65*, M75*

N
NASA *see* National Aeronautics & Space Administration
Nagel, P., G19*, S5*
Nagel, W., S5*
Naidich, Yu.V., C108
Nakajima, T., N34
Nakano, Y., T17
Nakai, T., D98
National Aeronautics & Space Administration (NASA), A19*, A29*, C98*
National Institute for Researches in Inorganic Materials, A73*
National Institute for Research in Japan, (T16)
Nepomiastchy, A., N25*
Nesterov, A. N., A119
Niihara, K., B7, B50
Nikitin Yu., A47
Nikolaenko, V. A., A84
Nikols'kaya, I. V., A93
Nishigaki, K., B65*
Nishimura, T., B74
Noma, T., A59
North, B., B46
Nottingham University, Institute of Mining Technology, (M69)
Novak, S., B73
Novakovic, B. Z., M16*
Novikov, N. V., A24, A95, C6, C95, J9, T1, T3, T20
Nozdrin, N. A., A111
Nylen, M., P24

O
Obeloer, M., D75
Ogloblina, A. I., R10
Ohno, J. M., C61*, C113*, D46*
Ohtani, T., D45
Okada, S., F11
Okazaki, K., B48

Okubo, N., F127
Olasz, J., P43*
Ono, T., N24*, N80*
Ono, Y., F122*
Onomura, Y., B96
Orlov, P. N., G36
Ortner, H. M., B88
Ortuno, M., A17
Oshima, E., J1
Oster, B., C57*
Ostertag, A., M31*
Osugi, J., A36
Otsuka, J., F93, N35
Ovchinnikov, V. L., C109
Ozawa, N., F127

P
PERA *see* **Production Engineering Research Association**
Pahl, F., N67
Papanicolaou, N. A., C18*
Park, H., A6
Parsons, K., C39
Partmann, K., F98
Pascal, B., B80
Pasteris, J. D., R15
Pasto, A. E., B104
Pastor, H., B76
Pate, B. B., A53
Patel, A. R., R43
Patel, C., A103
Patterson, B. D., A89
Patterson, S. R., D38
Paul, D. K., R40
Pay, C. R., L30*, L45*
Pearse, G., L37
Pecherer, E., E72, F82
Pepper, S. V., A58
Persson, A., A14
Petasyuk, G. A., F110
Peterman, L. M., C87, G42
Peters, J., F85
Peterson, D. H., B94
Petkov, P. G., F103
Pfeifer, K., N15
Phaal, C., L29*
Phillips, J. D., D104*
Picker, M., M2, M9, M28
Pienaar, G., B64
Pipkin, N. J., A39
Pireyre, G., N25*
Pleiger, H., G18*
Podoprigora, G. A., B84
Poduarev, V. N., C3
Pokladii, G. G., C40, F106
Polkanov, Yu.A., R9
Ponizovskii, I. Z., J12
Poon, S., B43*
Pope, B. J., D101
Postell, A. E., D7
Precision Machining Colloquium, Brunswick 1984, Fourth, (F20), (T5)
Preslar, P. L., L6, L34
Prins, J. F., A85
Production Engineering Research Association (PERA), (C3), (F70), (F101), (G5), (G21), (G23), (G24), (G36)
Ptitsyna, L. D., N57
Putyakin, A. A., A93
Puybaraud, G. H., G15*
Pyzhov, I. N., F104

Q
Quakenbush, C. L., B24
Quandt, J., E22*
Quinn, G. D., B106

R
RWTH *see* **Rhine Westphalia Technical High School**
Rabinovich, E. S., C40, F106
Radtke, R. P., L27*, L32*
Ramakrishnan, P., B75
Rands, M., C79*
Rands, S. A., C79*
Rathkamp, H., L24*
Raube, H., D85
Ray, F. M., C81*
Ray, R., B12
Raybould, D., B11
Read, P. G., J2
Recker, K., (A108), A109
Reda, K. J., E12*
Redeker, W., E80*
Rehfeld, G., F81*
Reich, S., Q5*
Remy, J.-C., E32*
Renard, R., M30*
Reshetnikov, N. F., A70
Retelsdorf, H.-J., B42*
Reuschel, K., N27*
Rhine Westphalia Technical High School, (E8), (F16)
Rhoads, L. J., G4
Rhorer, R. L., D68
Richardson, S., (R35)
Richardson, S. H., R1
Richman, M. H., B5
Riegger, W., C64*
Righetti, G., N5*
Riley, F. L., B118
Ritter Jr., J. E., B35
Rivoallan, L., N79*
Robertson, I. M., B32
Robles, J. W., D40
Roche, J. W., E75
Roebuck, B., B28
Röttenbacher, R., B81
Roffi, F., M79*
Rogers, N., R2
Rogov, V. V., N21, N45, N46, N71
Romanchuk, V. A., G21
Rose, M. E., P1
Rowe, W. B., C31
Roy, G., M7, M22, M35
Rozenberg, A. M., P35
Ruban, F. G., C8
Ruggeri, V. J., C17*
Ruh, R., B10
Russ, E., E14*
Rybitsky, V. A., F105, F111
Ryzhov, E. V., A67, F150
Ryzhov, Yu.E., G31

S
Sagarda, A. A., C90, P34
Sahu, S. N., A55
Saito, T. T., D36
Saito, Y., G27*, F72
Saljé, E., E4, E7, E27, E36*, E55, E69, F20, F77, F130
Salter, N. D., F66
Samuels, L. E., G1
Sandt, A., B58
Sanger, G. M., D31
Sant'Ambrogio Marble Fair, (M49), (M57)
Sarin, V. K., B40*
Sartor, R. W., L11*
Sato, T., A73*
Sauren, J., E46*, E68
Sawaoka, A., A37, A59, B45
Scatena-Wachel, D. E., R37
Schäfer, H. D., E8, F16, F135
Schleich, H., E33*
Schmiedgen, K., F145
Schnackenberg, G. J., B64
Schneider, F., F57
Schölkopf, G., N50*
Schott, L. A., F53*
Schott, R. A., F53*
Schrock, M., F7, N3
Schüler, K.-H., B39
Schültz, W., F24
Schulz, H., D28
Schulze, D. J., R39
Schussler, M., B111
Schwarz, J. P., N14
Science & Engineering Council, (N62)
Scott, C., P27
Seal, M., P39
Sedykin, F. V., H2
Segawa, K., P15*
Seidensticker, N., F129
Seiler, F. J., D36
Seitz, W., E17*
Sekiya, S., N24*, N80*
Semerchan, A. A., T2
Serebrovskii, V. B., G32, H8
Shafto, G. R., C70
Shank, W. E., E16*
Shatvoryan, R. B., C45, C76, F147
Shaw, B., N31, N60
Shaw, M. C., F83
Sheets, R. L., D104*
Sherman, R., B114
Shidov, E. Kh., A80
Shilo, A. E., A23, C4
Shinamune, T., F60
Shimizu, H., P25
Shinmura, T., G10
Shingu, H., C97*
Shintani, K., D69
Shipilo, V. B., A20, C44
Short, L. W., L31*
Shoubu, K., B109
Shul'man, L. A., A115
Shul'man, V. P., N45
Shul'zhenko, A. A., A71
Simpson, E. L., R30
Simse, P., N63
Sinaiskii, V. M., P10
Sinclair, R., B29
Sindeyev, V. I., B53
Singh, S., B75
Slaney, J. S., J5
Smirnov, E. P., A105
Smith, A. P., G2
Smith, C. B., R13
Smith, J. T., B24
Smith, J. V., R42
Smith, R. L., (F67)
Sobolev, V. V., A28
Soga, N., B36
Sokolina, G. A., A112
Solodukho, F. M., P17

Spencer, D. P., A88
Spensberger, J., C111*
Spizig, J. S., D51
Spriggs, R. G., N4*
Spring, K. G., G49
Sprow, E. E., E25
Spur, G., F29
Stadler, R., M23
Stäheli, K., E2
Stahr, F., F56
Stasyuk, L. F., A97, A123, C94
Stefani, S., M80*
Steffans, K., F146
Steffens, K., F81*
Steinmetz, K., D11, F143
Stettler, E. H., R22
Stief, W., D10
Stocker, M., E19*
Stokes, R. J., F86
Stokes, T., D63
Stoll, K., C116*
Stone, C. M., L4
Stoneham, A. M., A38
Straub, W., B120
Stuckenholz, B., F99
Subramanian, K., E77
Sugita, T., B2
Suied, J. P., L25*
Sunnen, D. W., G11*
Sunnen, R. M., G11*, G12 *, G54*
Sutherland, D. G., J4, R27
Suzuki, H., B3, B4, B13, B15
Suzuki, I., F116*
Suzuki, K., J11
Svisero, D. P., R47
Swarf, P. K., A8
Sweeney, G., C36
Szymanski, A., J7

T
Tabuchi, S., N75*
Takagi, K., B19*
Takahashi, M., F33, F90
Takano, S., L16*
Takehara, H., C19*, C65*, P42*
Tamaki, J., F35, F71, P36
Tanaka, Y., C59*
Tani, H., C27*, F114*, F151*
Tanigawa, T., N88*
Taniguchi, N., S1
Taylor, L. A., R28
Technical High School Aachen, Laboratory for Machine Tools & Industrial Technology, (F14)
Technical High School (TH) Darmstadt, Institute of Cutting Technology & Machine Tools, (N10)
Technical University of Berlin, Institute for Machine Tools & Production Technology, (D26), (N11)
Thibaut, B., M61*
Thielenhaus, E., F119*
Thomas, J.-C., M62*
Thomas, P., M62*
Thoreau, B., M21
Titer, H. N., D99
Tkhagapsoyev, Kh. G., E29, E57
Tönshoff, H., P32
Tomlinson, P. N., A35, C9
Tompkins, L. A., R32
Toncelli, M., C78*, M41*
Tooe, S., F91
Torrance, A. A., F5
Torre, F., N77*
Torti, M. L., B23
Travin, V. V., N57
Treskin, V. P., L42
Troy, A., D43
Tsuchuya, N. J., B89
Tsujiuchi, T., E79*
Tsukuma, K., B113
Tsunasawa, Y., F63, F64
Tsuzuki, A., A27
Tunze, W., P18

U
Uchida, J., F34
Ueda, K., B2
Uman, S. M., A22
US Air Force Wright Aeronautical Laboratory, (D38)
United States of America, represented by the Administration of the National Aeronautical & Space Administration, A19*
University of Bremen, (D30)
University of Hanover, Institute for Production Technology & Chip Removal Machine Tools, (F15)
University of Nottingham, Institute of Mining Technology, (M69)
Unno, K., E63*, F120*
Ursel, E., M58

V
Valentine, T. J., F86
Vanderbilt, D., A45, A54, A104
Varlick, M., F22
Vefsi, D., Q5*
Verein Deutscher Ingenieure (Association of German Engineers), (D48)
Vermeulen, L. A., A101
Vernik, E. B., P38
Vichnevskii, A. S., A128
Vikulin, I. M., A96
Vincent, J.-L., C22*
Vits, R., F9
Vlk, J., E13*
Volkov, V. K., R8
v.d. Löcht, H., E60*
von Mackensen, H.-G., E4, E27, E69
Voronin, G. A., A72

W
Wachtman, J. B., B71
Wada, M. A., G13*
Wagner, G., G56*
Walmsley, J. C., A42, A98
Wapler, H., F13
Warren, J. R., B108
Warren, R., B87
Watanabe, T., B109
Watson, G. K., B103
Watt, G. J., D32
Wayman, C. M., B32
Weber, H., G33
Wedlake, R. J., A35, C9
Wei, G. C., B47, B116
Weinz, Dr., (P19)
Welch, B. E., T19
Wemhöner, J., F22
Werner, G., D29
Wesely, D. L., M76*
Whetten, T. J., A86
Widmer, E., C53, E5, E6, F10, F39, F40, F41, F42, F43, F44, F45, F46, F47, F48, F49, H3, H4, M33, N37
Wiegand, R., D102
Wiendl, J., N10
Wierer, P. G., P16
Wiertlewski, G., P4
Willet, H., E34*
William, M. F., C32
Williams, R. M., B8
Wilson, D. A., B108
Wilson, R. J., M54
Wilson, W. I., C47*
WIRE '84, (K3), (K11)
Wirz, W., E49*, E81*
Woermann, E., R21
Wolters, M., F121*
Wong, P. T. T., A63
Wood, J., L1
Wood, J. E., L22
Woods, G. S., A100
Worrell, R. V., L17*
Woynovski, J., E13*
Wright, D., E56
Wright, D. N., E3, (M69)
Wuest, U., E15*, P8*
Wunsch, E. E., D26, N11
Wydler, R., F80
Wyllie, P. J., R38

Y
Yakovlev, E. N., A110
Yamamoto, N., A40
Yamamoto, S., T9, T12
Yamazaki, T., C103
Yarnitsky, Y., Q2
Yasui, H., F37
Yatsenko, V. K., G3
Yazu, S., A46
Yegenoglu, K., E33*, F99
Yegiarzaryan, G. A., A18, C42
Yoshida, A., C104

Z
Zahavi, I., C1
Zaitsev, A. G, C7
Zeitschrift der Deutschen Gemmologischen Gesellschaft, (A108)
Zeman F., B16
Zhengi, T., B102
Ziegler, W., F128
Zilian, W., C68
Zlochevskii, G. O., C91
Znamenskii, G. N., C110
Zubanev, E. N., F102
Zürn, D., D24
Zurich, ETH, Institute for Machine Tools & Production Technology, (N1)

IDA TRADE NAME & COMPANY INDEX

A
ABN, (F2), (F86)
ABN300, (F7)
ABN600, (F2), (F7)
ABN615, (F2), (F67), (F134)
ABN660, (F2)
ADAMAS-BUNKEBOHRER, (M50)
AGIE, (C37)
AMBORITE, (D7), (D11), (D17), (D18), (D30), (D55), (D59), (D65), (D80), (D83), (D92), (D93), (D94), (D95), (D103)
AMBORITE PCBN, (D44)
Anderson-Grice (1983) Ltd, (M55)
Applications Industrielles du Diamant STI, C52*
Argyle Diamond Mines, (R20)
Asahi Diamond Industrial Company Ltd, N88*
ASTROLASER, (M46)
ATLAS COPCO, (L40), (M45)
Audi NSU Auto Union AG, E17*
Audia Diamantwerkzeug GmbH, (E40), (E41)
Automated Optic Inc, N4*
Automobiles Peugeot, G15*, G17*
AUTOSIZER, (J6)

B
Bärhausen GmbH & Co, Willy, M18*
BARRINGER INPUT, (R16)
Bendix Ltd, (D49)
BHS-Dr. Ing. Höfler Maschinenbau GmbH, E60*
BMW, (G8), (G53)
Bosch GmbH, Robert, (M47)
BOTHNER, (D32)
Brammal Inc, G14*
Brasseler, Gebr., (E36)
BRGM, (V5)
British Aerospace, Dynamic Group, Optical Technological Department, (D62)
BUEHLER ISOMET, (N65)
Buehler-Met GmbH, (N65)

C
Cabot Corp, B17*
CANALI MACH 1, (M2), (M28)
Carter Bros, (D65)
CDA, (C53)
Christensen Inc, C24*, L10*, L18*, L19*, L20*, L24*, L30*
Citizen Watch Co Ltd, F79*
Citroen, SA Automobiles, G15*, G17*
Commissariat à l'Energie Atomique, A74*
Colliva, Giovanni, Q8*
Comadur SA, N78*
Contraves AG, (D54)
Cristillina AG, (M23)

D
DE BEERS, (A3), (M68), (M70), (N43)
DE BEERS ABN, (F2), (F86)
DE BEERS ABN300, (F7)
DE BEERS ABN600, (F2), (F7)
DE BEERS ABN615, (F2), (F67), (F134)
DE BEERS ABN660, (F2)
DE BEERS AMBORITE, (D7), (D11), (D17), (D18), (D30), (D55), (D59), (D65), (D80), (D83), (D92), (D93), (D94), (D95), (D103)
DE BEERS AMBORITE PCBN, (D44)
DE BEERS CDA, (C53)
De Beers Consolidated Mines Ltd, (R35)
De Beers Industrial Diamond Division, A3, (L12), L29*, (M69), V4
DE BEERS SDA, (M72)
DE BEERS SDA100, (M37)
DE BEERS SNDMB, (N62)
DE BEERS SYNDAX, (L15)
DE BEERS SYNDIE, (K1), (K4), (K5), (K9)
DE BEERS SYNDIE PCD, (K1), (K14)
DE BEERS SYNDITE, (A98), (A99), (C70), (C105), (D10), (D13), (D26), (D28), (D65), (D76), (D78), (D80), (N11)
DE BEERS SYNDITE PCD, (C105), (D10), (D13), (D21), (D28), (D44), (D90), (D91)
DE BEERS SYNDITE PLUS, (D80)
DE BEERS SYNDRILL, (C70)
DIA range, (N41)
Diacut Diamantwerkzeugfabrik GmbH, (E39)
DIADEM, (M26)
DIADISC, (N64)
DIADRIVE, (D86)
DIAEDGE, (D101)
DIAGRIT DIADEM, (M26)
DIAGRIT ELECTROFACE, (M26)
Diamant Boart, (M21), (M46), (N40), (N69)
DIAMANT BOART ASTROLASER, (M46)
Diamant Boart Deutschland GmbH, (E53), (F95), (N39)
Diamond Giken Co Ltd, C62*
Diamond Pauber Srl, M78*
DIAPOL, (G43)
DICAMAT, (K7)
Disco Abrasive Surfaces Ltd, N75*
Disco Co Ltd, N24*, N80*
Dixi SA, E32*
Dresser Industries Inc, L23*
Drukker & Zn NV, D., C114*
DTH Diamantwerkzeuge GmbH, (M50)
DTS Diamant-Technik-Service, (M58)
Du Pont de Nemours & Co, E.I., N6*
Dynamit Nobel AG, F81*

E
ECCO FLEXOVIT, (M1)
Ecco Wheel Co Ltd, (M1)
Eder Gesellschaft mbH, Siegfried, (K7)
EDER DICAMAT, (K7)
Effgen GmbH, (E40), (E41)
Eguro Machinery Co Ltd, (D48)
Eisler, Hoffmann Geb., E., M17*
ELECTROFACE, (M26)
Engineering Diamonds Ltd, (M24)
Essilor International Cie Générale d'Optique, N74*
Etablissements Liotte, F152*
Etablissements Thomas, M62*
Ex-Cell-O-Corporation, E12*, G34*

F
Federal Mogul Corp, C100*
FLEXOVIT, (M1)
Ford Motor Co, B41*
Framstone et Cie, S12*
FRISCHKNECHT, (M36)
Fuhrer & Bachmann AG, (M36)
Fujitsu Ltd, N75*

G
Gehring GmbH & Co KG, Maschinenfabrik, G16*, G29*
General Electric Co, C61*, C113*, D46*, E44*, K12*
Gersan Establishment, Q3*, Q6*
GH Texas Reamer Inc, L9*
GMN Georg Müller Nürnberg GmbH, F55*, (F100), N16*
GRUNDFOSS, (F73)
GRUNDIG, (G9), (N22)
GTE Laboratories Inc, B40*
GTE Valeron Corp, C115*

H
Hale Engineering Inc, C23*
HASCO, (F133)
Hauni-Werke Körber & Co KG, E80*
Helbrecht, Otto, N86*
Hilti AG, M67*
Hoch & Company, (M72)
Höfler Maschinenbau GmbH, BHS-DR. Ing., E60*
Hoffmann GmbH, E. Eisler, M17*
Honda Giken Kogyo KK, G13*, G27*
Hoyne Industries Inc, N5*
Hughes Optical Products Inc, (D33)
Hurth Verwaltungs GmbH, C111*
Hydrostress AG, M53*, M64*

I
IDI Corporation, (N29)
IMPEX, (G48)
Indentec Hardness Testing Machines Ltd, (P13)
Innse Innocenti Santeustacchio SpA, F123*
Inoue-Japax Research Inc, H5*
Intendene Hardness Testing Machines Ltd, (P5)
ISOMET, (N65)
ITM International Tool Machines Inc, F54*

J
Jenoptik Jena GmbH, N7*, N18*
JES, (E40)

K
KADIA-Diamant Maschinen- und Werkzeugfabrik O. Kopp GmbH & Co, C26*, G55*, G56*
Kadia Maschinebau GmbH, (G20), (G52)

Kager GmbH, (B117)
Kapp & Co Werkzeugmaschinenfabrik, E47*
Kernforschungszentrum Karlsruhe GmbH, B85*
KIENINGER, (D79)
KIRNER, (F144)
Körber & Co KG, Hauni-Werke, E80*
Kopp GmbH & Co, KADIA-Diamant Maschinen- und Werkzeugfabrik O., C26*, G55*, G56*
Korfmann GmbH, Maschinenfabrik, M32*, M43*, M65*, M75*
Krautkrämer GmbH, (P22), (P23)
KUGELFISCHER, (F50)
Kyocera Corporation, (D48)

L
Lach-Diamant, (D77)
Lach-Spezial-Werkzeuge GmbH, C21*, E20*, E37*, E62*, S4*
LAM-PLAN-MM, (G47)
Landrill UK Ltd, (L14)
Lapmaster International, (M24)
Laser Material Processing AG, (K6)
LEITZ DIA range, (N41)
LEUCODIA, (N42)
Lignes Télégraphiques et Téléphoniques, N26*
Lincoln Laser Co, (D2)
Liotte, Etablissement, F152*
Litton Industrial Products Inc, E16*, E45*
LODTM, (D38), (D39)
LOH, (D32)
Longinotti, SpA, M19*, M20*
LTT *see* Lignes Télégraphiques et Téléphoniques
LTV Defense & Aerospace Company, (B94)

M
Maag Gear-Wheel & Machine Co Ltd, E15*, E59*, E70*, E78*, F80*
Maag-Zahnräder & Maschinen AG, E64*, P8*
Mafell-Maschinenfabrik Rudolf Mey GmbH & Co KG, S9*
Magerle AG, Geb., E13*
Malvern Instruments, (J6)
MALVERN INSTRUMENTS AUTOSIZER, (J6)
Marconi Electronic Devices Ltd, F52*
Martin Marriette Corp, C18*
Maschinenfabrik Gehring GmbH & Co KG, G16*, G29*
Maschinenfabrik Korfmann GmbH, M32*, M43*, M65*, M75*
Maschinenfabrik Ernst Thielenhaus GmbH, F121*
Meekatharra Minerals Ltd, (R34)
Megadiamond Industries Inc, C99*
Mey GmbH & Co KG, Mafell-Maschinenfabrik Rudolf, S9*
Microsurgical Administrative Services, (N53)
Mid-Continent Division Drilling Department, Tenneco, (L34)
Mining Journal Ltd, V1, V7
Mitsubishi Kinzelu KK, B65*
Mitsui Mining & Smelting Co, Ltd, C48*, G35*
Montanwerke Walter GmbH, F115*
Müller Nürnberg GmbH, GMN Georg, F55*, (F100), (F142), N16*
MUTRONIC DIADISC, (N64)
MUTRONIC DIADRIVE, (D86)

N
Naxos-Union Schleifmittel- und Schleifmaschinenfabrik, E48*
Nedstaal BV, (D76), (D78)
NEI Parsons, (N56)
Nippon Oil & Fats Co Ltd, C16*, C25*, C59*
Nippon Victor KK, P41*
Nissin Machine Works Ltd, C58*
NL Industries Inc, L31*
Norton Christensen Inc, L28*, L45*, L46*
Norton Company, B43*, (C32), C57*, C80*, F30*, M31*, M74*
Novus Innomatec GmbH, (N63)

O
Optical Technological Department, British Aerospace's Dynamic Group, (D62)
OPTIDRESS E, (E26)
ORTOFON, (P18)
OWENS-ILLINOIS, (N62)

P
PDC, (L5), (L6), (L7)
Petroleum Concepts Inc, L44*
Peugeot, Automobiles, G15*, G17*
PG OPTIDRESS E, (E26)
Phillips Corp, J. D., D104*
Pirelli General plc, (K1), (K5)
Pleiger KG Maschinen- und Armaturenfabrik, Emil, G18*
Pneumo Precision Inc, (D1), (D62)
Präzisions-Technik GmbH, (F75)
Precision Engineering Ltd, (F67)
Proceq SA, (P30)

R
RCA Corp, C17*, C20*, C28*, C63*, C66*, C67*, G39*, G41*, P6*, P7*, P14*, P21*
Redland, Société Française, (M15)
Reichert Optische Werke AG, C., N73*
Reishauer AG, E49*, E81*
Rocamat SA, M42*
ROLLS-ROYCE, (F6)

S
SA Automobiles Citroen, G15*, G17*
Samedia *see* Société d'Applications Mécanique du Diamant
Sandvik Coromant, (D58)
Savage Company, W. J., N76*
Schaudt Maschinenbau GmbH, E42*, E58*, E61*
SCHÜTZEICHEL, (M59)
SDA, (M72)
SDA100, (M37)
SEA Schleifmittel Entwicklung Anwendung GmbH, C117*
Seiko Seiki KK, E21*
Showa Denko KK, A30*
Siemens AG, N27*, N36
SKF, (B37)
Smit & Fils, J. K., C22*
Smith International Inc, L17*, L26*
SNDMB, (N62)
SO RE DI *see* Société de Recherches et de Dévelopment Industriel
Società Italiana Vetro-Siv SpA, N77*
Société d'Applications Mécaniques du Diamant Industriel, (M22)
Société Française Redland, (M25)
Société de Recherches et de Dévelopment Industriel, SA, E34*
Société Thibault, (M7)
STARRETT, (M3), (N9), (N83), (N84), (N85)
Stehle, Werkzeug- und Maschinenfabrik, E50*
Stihl, Andreas, (M48)
Strata Bit Corp, L27*, L32*, L33*
Sumitomo Electric Industries Ltd, A75*, C97*
Sumitomo Metal Mining Co Ltd, L16*
Sunnen Products Co, G11*, G12*, G54*
Super-Cut Inc, C49*
SYNDAX, (L15)
SYNDIE, (K1), (K4), (K5), (K9)
SYNDIE PCD, (K1), (K14)
SYNDITE, (A98), (A99), (C70), (C105), (D10), (D13), (D26), (D28), (D65), (D76), (D78), (D80), (N11)
SYNDITE PCD, (C105), (D10), (D13), (D21), (D28), (D44), (D90), (D91)
SYNDITE PLUS, (D80)
SYNDRILL, (C70)

T
TALYSURF, (D5)
Télécommunications, SA de, N25*
TELEDIAM DIESEL, (M56)
Tenneco, Mid-Continent Division, Drilling Department, (L34)
Tetherworth Engineering Ltd, (D17)
Thibault, Société, (M7)
Thibaut SA, M61*
Thielenhaus GmbH, Maschinenfabrik Ernst, F121*
Thomas, Etablissements, M62*
Tokiwa Seiki Industrial Co Ltd, F122*
Tokyo Shibaura Denki KK, C27*, F114*
Toshiba Ceramics Co Ltd, B86*
Toshiba KK, F151*
Toyo Kohan Co Ltd, B19*
Toyoda Koki KK, C60*, E63*, E79*, F116*, F120*
Toyoda Machine Works Ltd, (F28)
Traction Safety Equipment Ltd, M60*

U
Unima Maschinenbau GmbH, (D53)
Union Steel Corporation, (K9)
US Synthetic Corp, N48*
United Technologies Corp, F138*

V
Van Moppes-IDP Ltd, (E52)
VEB Schleifmaschinenwerk Karl-Marx-Stadt, (F145)
VEB Werkzeugmaschinen-Kombinat '7 Oktober' Berlin, E22*

Vereinigte Edelstrahlwerke AG (VEW), B44*
VEW *see* Vereinigte Edelstahlwerke AG
Victor Company of Japan Ltd, C19*, C65*, P15*, P42*
Volkswagenwerk AG, S6*
Vought Corporation, (B94)

W
Waldrich Coburg GmbH & Co, Werkzeugmaschinenfabrik Adolf, E35*
Walter GmbH, Montanwerke, F115*
WEINZ, (P19)
Wendt KG, F., (H4)
Werkzeugmaschinenbau Präzisions-Technik GmbH, F118*
Werkzeugmaschinenfabrik Adolf Waldrich Coburg GmbH & Co, E35*
Werkzeug- und Maschinenfabrik Stehle, E50*
Winter & Sohn GmbH & Co, Ernst, E33*, E46*
Wolters, Peter, G28*

Y
Yada Research & Development Company Ltd, Q5*

Z
Zenith Electronics Corp, C81*
ZEISS, (D8)
ZIBORA, (D88)
ZIDIA, (D88)
Zinner GmbH, (D88)
ZINNER ZIBORA, (D88)
ZINNER ZIDIA, (D88)

KEY TO ABSTRACTS

PROPERTIES OF DIAMOND AND CUBIC BORON NITRIDE

	Nos.	Pages		
A	1- 30	30- 32	1/85	No. 506
A	31- 52	94- 95	2/85	No. 507
A	53- 75	144-146	3/85	No. 508
A	76- 97	204-206	4/85	No. 509
A	98-115	259-260	5/85	No. 510
A	116-128	313-314	6/85	No. 511

PROPERTIES OF OTHER HARD MATERIALS

	Nos.	Pages		
B	1- 19	32- 33	1/85	No. 506
B	20- 44	96- 97	2/85	No. 507
B	45- 65	146-147	3/85	No. 508
B	66- 86	206-207	4/85	No. 509
B	87-101	260-261	5/85	No. 510
B	102-120	314-315	6/85	No. 511

TOOLMAKING TECHNIQUES

	Nos.	Pages		
C	1- 28	34- 36	1/85	No. 506
C	29- 52	97- 99	2/85	No. 507
C	53- 67	147-148	3/85	No. 508
C	68- 83	207-208	4/85	No. 509
C	84-101	262-263	5/85	No. 510
C	102-117	315-317	6/85	No. 511

CUTTING TOOL APPLICATIONS

	Nos.	Pages		
D	1- 30	36- 37	1/85	No. 506
D	31- 46	99-100	2/85	No. 507
D	47- 58	149	3/85	No. 508
D	59- 78	208-210	4/85	No. 509
D	79- 95	263-264	5/85	No. 510
D	96-104	317	6/85	No. 511

TRUING AND DRESSING

	Nos.	Pages		
E	1- 23	38- 40	1/85	No. 506
E	24- 37	100-102	2/85	No. 507
E	38- 50	149-151	3/85	No. 508
E	51- 64	210-211	4/85	No. 509
E	65- 70	264-265	5/85	No. 510
E	71- 81	318-319	6/85	No. 511

GRINDING

	Nos.	Pages		
F	1- 32	40- 42	1/85	No. 506
F	33- 55	102-103	2/85	No. 507
F	56- 81	151-153	3/85	No. 508
F	82-123	211-215	4/85	No. 509
F	124-138	265-266	5/85	No. 510
F	139-152	319-320	6/85	No. 511

LAPPING, HONING AND POLISHING

	Nos.	Pages		
G	1- 19	42- 44	1/85	No. 506
G	20- 29	103-104	2/85	No. 507
G	30- 35	153-154	3/85	No. 508
G	36- 41	215	4/85	No. 509
G	42- 48	266-267	5/85	No. 510
G	49- 56	320-321	6/85	No. 511

ELECTROLYTIC GRINDING

	Nos.	Pages		
H	1	44	1/85	No. 506
H	2	104	2/85	No. 507
H	3- 4	154	3/85	No. 508
H	5	215-216	4/85	No. 509
H	6	267	5/85	No. 510
H	7- 8	321	6/85	No. 511

PROCESSING, GRADING AND QUALITY CONTROL OF ABRASIVE PARTICLES

	Nos.	Pages		
J	1	44	1/85	No. 506
J	2- 3	104	2/85	No. 507
J	4	154	3/85	No. 508
J	5- 6	216	4/85	No. 509
J	7- 9	267	5/85	No. 510
J	10- 13	321	6/85	No. 511

WIRE DRAWING

	Nos.	Pages		
K	1- 3	44	1/85	No. 506
K	4	104	2/85	No. 507
K	5- 7	154	3/85	No. 508
K	8- 9	216	4/85	No. 509
K	10- 12	267	5/85	No. 510
K	13- 14	321	6/85	No. 511

ROCK DRILLING

	Nos.	Pages		
L	1- 11	45	1/85	No. 506
L	12- 20	105	2/85	No. 507
L	21- 26	154-155	3/85	No. 508
L	27- 30	216	4/85	No. 509
L	31- 33	267-268	5/85	No. 510
L	34- 46	321-322	6/85	No. 511

MACHINING OF STONE, CONCRETE, ETC.

	Nos.	Pages		
M	1- 20	46- 47	1/85	No. 506
M	21- 32	105-106	2/85	No. 507
M	33- 44	155-156	3/85	No. 508
M	45- 53	216-217	4/85	No. 509
M	54- 67	268-270	5/85	No. 510
M	68- 80	323-324	6/85	No. 511

MACHINING OF GLASS, CERAMICS, ETC.

	Nos.	Pages		
N	1- 8	47- 48	1/85	No. 506
N	9- 18	106-107	2/85	No. 507
N	19- 27	156-157	3/85	No. 508
N	28- 50	218-219	4/85	No. 509
N	51- 80	270-272	5/85	No. 510
N	81- 88	324-325	6/85	No. 511

NON-CUTTING APPLICATIONS & MEASUREMENT TECHNOLOGY

	Nos.	Pages		
P	1- 8	48- 49	1/85	No. 506
P	9- 15	107-108	2/85	No. 507
P	16- 21	157	3/85	No. 508
P	22- 24	219-220	4/85	No. 509
P	25- 38	272-273	5/85	No. 510
P	39- 43	325-326	6/85	No. 511

GEM WORKING

	Nos.	Pages		
Q	1- 3	49	1/85	No. 506
Q	4	108	2/85	No. 507
Q	5	157	3/85	No. 508
Q	6	220	4/85	No. 509
Q	7	273	5/85	No. 510
Q	8	326	6/85	No. 511

GEOLOGY AND MINING

	Nos.	Pages		
R	1- 13	49- 50	1/85	No. 506
R	14- 20	108-109	2/85	No. 507
R	21- 30	158	3/85	No. 508
R	31- 35	220	4/85	No. 509
R	36- 41	273-274	5/85	No. 510
R	42- 50	326-327	6/85	No. 511

MACHINING PROCESSES & DEVELOPMENTS

	Nos.	Pages		
S	1	50	1/85	No. 506
S	2	109	2/85	No. 507
S	3- 6	158-159	3/85	No. 508
S	7- 10	220-221	4/85	No. 509
S	11	274	5/85	No. 510
S	12	327	6/85	No. 511

MISCELLANEOUS

	Nos.	Pages		
T	1- 4	50- 51	1/85	No. 506
T	5- 8	109	2/85	No. 507
T	9- 10	159	3/85	No. 508
T	11- 15	221	4/85	No. 509
T	16- 18	274	5/85	No. 510
T	19- 20	327	6/85	No. 511

BOOK NOTICES

	Nos.	Pages		
V	1- 3	159	3/85	No. 508
V	4- 6	221	4/85	No. 509
V	7	327	6/85	No. 511

PATENT LISTS

Pages			
51	1/85	No. 506
109-110	2/85	No. 507
159-160	3/85	No. 508
222	4/85	No. 509
274-275	5/85	No. 510
327-328	6/85	No. 511